

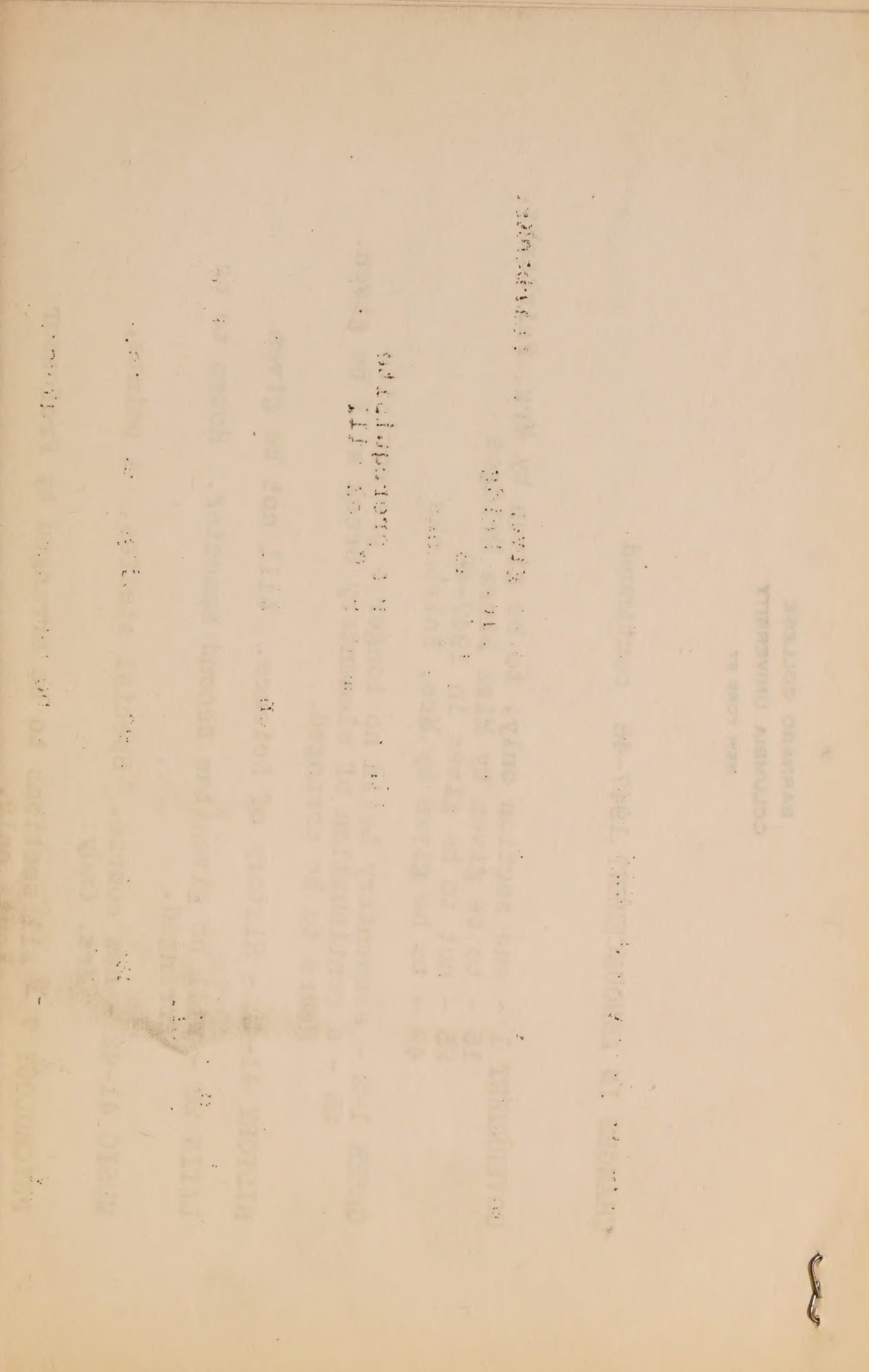


Columbia University
Bulletin of Information

BARNARD COLLEGE

ANNOUNCEMENT

1947—1948



BARNARD COLLEGE
COLUMBIA UNIVERSITY
NEW YORK 27

CHANGES IN ANNOUNCEMENT OF COURSES FOR WINTER SESSION - 1947-48

Note concerning R courses:

Odd numbers preceded by prefix "R" indicate a course given in the Spring Session that is normally given in the Winter Session.

Even numbers preceded by prefix "R" indicate a course given in the Winter Session that is normally given in the Spring Session.

A course numbered R1-R2, etc. runs through two sessions, beginning in February, and corresponds to 1-2.

*ASTRONOMY 1-2 - will be given at Barnard in a separate section.

CHEMISTRY 63, 64 - M. and W. laboratory section 2 to 5,
(instead of 1 to 4)

ECONOMICS 21 - will be given M., W. and F. at 1:00 instead
of at 3:00.

51 - will be given W., 3-5 instead of Tues., 3-5.

EDUCATION - Students who had planned to take Psychology 19
to fulfill requirement of State Education
Department should take instead Education
207D to be given in spring session.

ENGLISH 65,66 - to be given by Mr. Fogle.

91,92 - Section I to be given by Professor Robertson
Professor Haller on leave for the entire year 1947-48

French 3 - new section (V) M W F at 1

FRENCH 17 and 24 will be given

GEOGRAPHY 15,16 - Regional Economic Geography of North
America. A study of the natural resources,
industry and agriculture of the geographic
regions of North America with consideration
of the factors which have influenced their
development and their future possibilities.
Winter session: Eastern North America;
Spring session: Western North America,
Mexico, Central America. M., W., F. at
1:00, 6 points in Group II or III.
Instructor to be appointed.

GEOLOGY 28 - third hour will be Friday at 2 instead of Th. at 2.

BARNARD COLLEGE
COLUMBIA UNIVERSITY
NEW YORK 27

CHANGES IN ANNOUNCEMENT 1947-48 continued

GOVERNMENT 1 - one section only, to be given by Mrs. Fairbanks.
15 - to be given by Miss Flora Bridges
25 - not to be given in 1947-48
49 - to be given by Mrs. Fairbanks

GREEK 1-2 - elementary Latin no longer a prerequisite
2R - a continuation of elementary Greek will be given.
Hours to be arranged.

HISTORY 41-42 - History of Science. Will not be given.

LATIN 28 - will be given the second semester. Hours to be arranged.

MUSIC 41-42 - new course. Special studies. 4 points,
Mrs. Cady.

PSYCHOLOGY 7 - All sections to be arranged by Professor
Youtz only.

9 - in addition to three class meetings, there
will be one hour of laboratory work. Hour
to be arranged.

48R - Individual projects; Will be given first
term also.

RELIGION 9, 10 - will be given for 4 or 6 points, not
2 or 3.

WITHDRAWN

Philosophy 45

Physics 21

Recreational Leadership

Sociology 41

April 16th, 1947

Dear Professor *McGuire*:

I would like to call your attention to the new course in geography to be offered next year. On the mimeographed sheets for information and use of advisers it is listed as

Geography 15, 16 Regional Economic
Geography of North America. M., W., F.
at 1.

You may find it will round out the program of some student better than the courses already in the catalogue. The instructor is still to be appointed.

Sincerely,

Florrie Holzwasser
Florrie Holzwasser

FH
AS



BARNARD COLLEGE

THE UNDERGRADUATE COLLEGE
OF LIBERAL ARTS AND SCIENCES
FOR WOMEN OF

Columbia University

NEW YORK

1947-1948



MORNINGSIDE HEIGHTS

NEW YORK 27, N. Y.

"The purpose of a college of liberal arts and sciences, as the Faculty of Barnard College conceives it, is to provide for students who are qualified to absorb it general education of mind, body, and character. This basic education, we believe, gives our students some preparation for whatever life the future may bring to them, preparation for human relationships, for recreation, and for citizenship, and the foundation necessary for the later professional training which will equip them for their work in the world."

Virginia C. Gildersleeve



HELEN HARTLEY JENKINS GEER MEMORIAL GATE
ENTRANCE TO
BARNARD HALL

LOOKING NORTH
FROM
BARNARD HALL

IN THE BACKGROUND, RIVERSIDE
CHURCH, MILBANK HALL AND
TOWER OF UNION THEOLOGICAL
SEMINARY.



BARNARD COLLEGE

COLUMBIA UNIVERSITY

Barnard College is the undergraduate college of liberal arts and sciences for women of Columbia University. Its Faculty is one of the Faculties of the University. Its graduates receive from Columbia the degree of Bachelor of Arts. Though Barnard is so closely a part of the University educationally, financially it is independent of Columbia, and has its own Board of Trustees.

Columbia University had its origin in the royal charter granted by Letters Patent in the reign of George II, King of England, to the Governors of the College of the Province of New York, in the City of New York, in America, creating them a Body Corporate to erect and maintain a college to be known as King's College "for the Instruction and Education of Youth in the Learned Languages and Liberal Arts and Sciences"; with power to elect their successors, to hold property, to appoint a president, fellows, professors, and tutors, and to confer degrees.

Because of its early relationship to Trinity Church and the grant to King's College of a valuable tract of land which was a portion of the Queen's Farm, there has always existed a close relationship between the religious life of the College and the Protestant Episcopal Church. The services at the College Chapel are in accordance with the liturgy of that church.

The Revolutionary War interrupted the active work of the institution, but in 1784 it was reopened as Columbia College. In 1912 the title was changed to Columbia University in the City of New York.

The University at the present time consists of Columbia College, the undergraduate college of liberal arts for men, which offers a program of studies leading to the degree of Bachelor of Arts; the School of General Studies, with courses leading to the degree of Bachelor of Science; the School of Law, with courses leading to the degrees of Bachelor of Laws, Master of Laws, and Doctor of the Science of Law; the College of Physicians and Surgeons, with courses leading to the degrees of Doctor of Medicine, Doctor of Medical Science, Doctor of Public Health, and Master of Science in public health, and with courses in nursing leading to the degree of Bachelor of Science, or to the diploma in nursing; the School of Engineering, with courses leading to the degree of Bachelor of Science, the several engineering degrees, and the degree of Master of Science; the School of Architecture, with courses leading to the degrees of Bachelor of Architecture and Master of Science; the School of Journalism, with courses leading to the degree of Master of Science; the School of Business, with courses leading to the degrees of Bachelor of Science, Master of Science and Master of Business Administration; the School of Dental and Oral Surgery, with courses leading to the degree of Doctor of Dental Surgery; the School of Library Service, with courses leading to the degrees of Bachelor of Science and Master of Science; the nonprofessional Graduate Faculties of Political Science, Philosophy, and Pure Science, with courses leading to the degrees of Master of Arts and Doctor of Philosophy. Under the University Council the degree of Bachelor of Science is offered for professional courses in

Optometry. In addition to these schools and faculties, the University includes the independent corporations of Barnard College (1889), the undergraduate college for women, with courses leading to the degree of Bachelor of Arts; Teachers College (1898), with courses offered under the Faculty of Teachers College leading to the degrees of Bachelor of Science, Master of Arts, and Master of Science; the Advanced School of Education in Teachers College (1935), with programs of study leading to the degree of Doctor of Education, and under the Department of Educational Research of the Faculty of Philosophy, to the degree of Doctor of Philosophy; the College of Pharmacy (1904), with courses leading to the degrees of Bachelor of Science and Master of Science; Union Theological Seminary (1928), whose faculty conducts certain University work leading to the degree of Master of Arts; New York Post-Graduate Medical School (1931), which offers advanced work in medicine, and the New York School of Social Work (1940), with courses leading to the degree of Master of Science.

Students not concerned with degree credit will find courses in the School of General Studies open to them, as well as a number of short courses in the Institute of Arts and Sciences.

The University maintains three sessions during the year: the Winter Session, beginning the last Wednesday of September and ending the first Tuesday of February; the Spring Session, beginning the first Wednesday of February and ending the second Wednesday of June; and the Summer Session, June 7 through August 15, with a limited number of courses in June and August-September.

BARNARD COLLEGE

FOUNDING OF BARNARD COLLEGE. During the 1880's there developed in New York a demand for higher education for women comparable in quality to that given in the best colleges for men. It was felt that Columbia should somehow provide this, and in 1889 a group of men and women worked out with the Trustees of Columbia a plan for the establishment of a college for women affiliated with Columbia, but financially independent. A charter was granted by the State of New York, and promises of subscriptions for the support of the college during the first four years were secured. Mrs. Alfred Meyer played an active and leading part in raising the necessary funds and influencing others to a belief in the new institution. She became one of the original Trustees. The Reverend Arthur Brooks was elected Chairman of the Board, Mrs. Joseph H. Choate, Vice-Chairman, Mr. Hamilton Wright Mabie, Secretary, and Mr. Jacob H. Schiff, Treasurer. The other original Trustees were: Mrs. Francis B. Arnold, Miss Helen Dawes Brown, Mr. Silas B. Brownell, Mrs. William C. Brownell, Mr. Frederic R. Coudert, Mr. Noah Davis, Mr. George Hoadley, Mr. George A. Plimpton, Mrs. John D. Rockefeller, Mr. Francis Lynde Stetson, Mrs. James S. T. Stranahan, Mrs. James Talcott, the Reverend Henry van Dyke, Miss Ella Weed, Mr. Everett P. Wheeler, Miss Alice Williams and Mrs. Frances Fisher Wood.

President Frederick A. P. Barnard of Columbia College had for years been an ardent advocate of the admission of women to Columbia. As early as 1879

he urged this in his report to the Trustees, expressing the "profound conviction that, in the interests of society, the mental culture of women should be not inferior in character to that of men." It was fitting, therefore, that the founders of the new college should give it his name. With seven instructors selected from the teaching staff of Columbia and with fourteen regular and twenty-two special students, Barnard opened in the fall of 1889 in a rented house at 343 Madison Avenue.

RELATION TO THE UNIVERSITY. In 1900 when the growth of the College had made inappropriate the original informal arrangement for instruction, an agreement was made between the Trustees of Columbia College and of Barnard College by which Barnard was incorporated in the educational system of the University. By the provisions of this agreement, the President of the University is *ex officio* President of Barnard College. Barnard professors are appointed by the University on the nomination of the Dean with the approval of the President and the Trustees, and rank as professors of the University. The College is represented on the University Council by its Dean and two elected representatives. The graduates of Barnard receive their degrees from Columbia, and these degrees are maintained as of equal value with corresponding degrees conferred upon the graduates of Columbia College. The University libraries are open to women on the same terms as to men. Various opportunities in other schools of the University have also, through the relation of Barnard College to Columbia, been opened to Barnard students. On the other hand, Barnard has its separate corporate and financial organization, with its own Board of Trustees. It retains its own internal administration, conducted by the Dean, who is appointed by the President with the advice and consent of the Trustees of Barnard. Its courses are determined and administered by its own Faculty, consisting of all professors who give instruction at Barnard.

BUILDINGS AND GROUNDS. Since 1897 Barnard has occupied the land on Broadway between 119th and 120th Streets, just west of the main buildings of the University. In 1903 Milbank Quadrangle, extending from 119th to 116th Streets, was added through the gift of Mrs. A. A. Anderson. In 1936, largely through a gift from the General Education Board, the College purchased Riverside Quadrangle, between 119th and 120th Streets, Claremont Avenue and Riverside Drive. Milbank Hall and Brinckerhoff Hall, erected in 1896, the gifts respectively of Mrs. Anderson and Mrs. Van Wyck Brinckerhoff, and Fiske Hall, erected in 1898, the gift of Mrs. Josiah M. Fiske, are three adjoining buildings on 119th Street; they contain the administrative offices, lecture rooms, and laboratories. Brooks Hall, a residence hall at the southern end of the Quadrangle on 116th Street, was erected in 1907. A residence hall adjoining Brooks Hall and known as Hewitt Hall was completed in 1925. Barnard Hall, given by Mr. Jacob H. Schiff and erected in 1917, is on Milbank Quadrangle near 117th Street; it contains the gymnasium, swimming pool, lunch-room, reading room, doctors' and nurses' offices, and rooms for student organizations. Riverside Building, a former private house on Riverside Drive, pro-

vides temporarily a few offices and classrooms. Barnard Camp, a 20-acre tract of wooded land in Westchester County, about 35 miles by parkways from the College, was given by the Alumnae in 1933, and provides opportunity for country weekends, sports and recreation.

FINANCIAL STATEMENT. The College owns equipment, buildings, and grounds of a value of \$4,300,000, and holds productive funds providing a net income of about \$200,000.

ACADEMIC DISCIPLINE. The continuance of each student upon the rolls of the University, the receipt by her of academic credits, her graduation, and the conferring of any degree or the granting of any certificate are strictly subject to the disciplinary powers of the University, which is free to cancel her registration at any time on any grounds which it deems advisable. The disciplinary authority of the University is vested in the President in such cases as he deems proper, and, subject to the reserve powers of the President, in the Dean of each Faculty and the Director of the work of each administrative board.

RESIDENCE. All students not residing with their parents are required to live in Brooks Hall or Hewitt Hall unless they receive special permission to live with relatives. Applications for such permission, accompanied by letters of approval from parents or guardians, should be made before August 1 to the Assistant to the Dean in charge of Social Affairs. Reservations for rooms outside, made without permission, will not be approved.

TRUSTEES OF BARNARD COLLEGE

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LUCIUS H. BEERS 25 Broadway

Vice-Chairman

MRS. OGDEN REID 15 East 84th Street

Clerk

FREDERIC RHINELANDER KING 32 East 57th Street

Treasurer

FRANCIS T. P. PLIMPTON 20 Exchange Place

MRS. ALFRED MEYER 1225 Park Avenue

NICHOLAS MURRAY BUTLER 60 Morningside Drive

MRS. OGDEN REID 15 East 84th Street

LUCIUS H. BEERS 25 Broadway

GANO DUNN 80 Broad Street

MRS. ALFRED F. HESS 875 Park Avenue

PIERRE JAY 1 Wall Street

HARRY EMERSON FOSDICK, D.D. 4 The High Road, Bronxville, N. Y.

WINTHROP W. ALDRICH 18 Pine Street

LINDSAY BRADFORD 22 William Street

FREDERIC RHINELANDER KING 32 East 57th Street

MRS. EUGENE MEYER 1624 Crescent Place, Washington, D. C.

MRS. WILLIAM L. DUFFY 245 East 72nd Street

FRANCIS T. P. PLIMPTON 20 Exchange Place

DUNCAN H. READ 1 Wall Street

WALTER D. FLETCHER 15 Broad Street

DONALD B. ALDRICH, D.D. Dennis, Cape Cod, Mass.

MRS. ARTHUR HAYS SULZBERGER 5 East 80th Street

JOHN C. PARKER 4 Irving Place

REGINALD E. GILLMOR 30 Rockefeller Plaza

MRS. HAROLD S. OSBORNE 379 Highland Avenue

(Alumnae Trustee 1943-1947) Upper Montclair, New Jersey

MRS. DAVID S. MUZZEY 492 Van Cortlandt P'k. Avenue

(Alumnae Trustee 1945-1949) Yonkers, N. Y.

STANDING COMMITTEES

1947

NOTE: The date after each name indicates the expiration of the term of office.

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MRS. REID, *Vice-Chairman*

MR. KING, *Clerk*

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MR. BRADFORD (1948)

MRS. DUFFY (1949)

MR. PARKER (1947)

MRS. SULZBERGER (1948)

MR. GILLMOR (1949)

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Committee on Finance

MR. FLETCHER (1949), *Chairman*

MR. JAY (1947)

MR. W. ALDRICH (1948)

THE CHAIRMAN OF THE BOARD OF TRUSTEES AND THE TREASURER
(*ex officiis*)

Committee on Buildings and Grounds

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MRS. MUZZEY (1948)

MR. DUNN (1949)

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(*ex officiis*)

Committee on Education

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DR. FOSDICK (1947)

MR. GILLMOR (1949)

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Committee on Investments

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MR. JAY

MR. FLETCHER

THE CHAIRMAN OF THE BOARD OF TRUSTEES AND THE TREASURER
(*ex officiis*)

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FRANK DIEHL FACKENTHAL, A.B., LL.D., Litt.D.	<i>Acting President</i>
MILLCENT CAREY MCINTOSH, Ph.D., LL.D.	<i>Dean</i>
² LOUISE HOYT GREGORY, Ph.D.	<i>Associate Dean and Professor of Zoölogy</i>
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WILLIAM HALLER, Ph.D.	<i>Professor of English</i>
² GEORGE WALKER MULLINS, Ph.D., LL.D.	<i>Professor of Mathematics</i>
HUGH WILEY PUCKETT, Ph.D.	<i>Professor of German</i>
RAYMOND MOLEY, Ph.D., LL.D.	<i>Professor of Public Law</i>
HELEN H. PARKHURST, Ph.D.	<i>Professor of Philosophy</i>
FLORENCE DE LOISELLE LOWTHER, Ph.D.	<i>Associate Professor of Zoölogy</i>
ELIZABETH FAULKNER BAKER, Ph.D.	<i>Associate Professor of Economics</i>
HORACE L. FRIESS, Ph.D.	<i>Associate Professor of Philosophy</i>
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¹ GLADYS A. REICHARD, Ph.D.	<i>Associate Professor of Anthropology</i>
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ETHEL STURTEVANT, A.M.	<i>Assistant Professor of English</i>
EUGENE H. BYRNE, Ph.D.	<i>Professor of History</i>
THOMAS PRESTON PEARDON, Ph.D.	<i>Professor of Government</i>
FRÉDÉRIC G. HOFFHERR, B, ès L.	<i>Professor of French</i>
MARGARETE BIEBER, Ph.D.	<i>Associate Professor of Fine Arts and Archaeology</i>
FLORRIE HOLZWASSER, Ph.D.	<i>Assistant Professor of Geology</i>
MARION LAWRENCE, Ph.D.	<i>Associate Professor of Fine Arts</i>
ELIZABETH REYNARD, B.Litt. (Oxon.)	<i>Associate Professor of English</i>
HENRY A. BOORSE, Ph.D.	<i>Associate Professor of Physics</i>
JANE PERRY CLARK CAREY, Ph.D.	<i>Assistant Professor of Government</i>
MARION STRENG, A.M.	<i>Assistant Professor of Physical Education</i>
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VIRGINIA D. HARRINGTON, Ph.D.	<i>Assistant Professor of History</i>
MARGARET HOLLAND, A.M.	<i>Assistant Professor of Physical Education</i>
AMELIA A. DE DEL RÍO, A.M.	<i>Assistant Professor of Spanish</i>
HELEN R. DOWNES, Ph.D.	<i>Associate Professor of Chemistry</i>
JOHN A. MOORE, Ph.D.	<i>Associate Professor of Zoölogy</i>
OTTO LUENING	<i>Associate Professor of Music on the Joline Foundation</i>

¹ Absent on leave, Winter Session, 1947-48.

² Absent on leave, Spring Session, 1947-48.

JULIUS HELD, Ph.D.	<i>Assistant Professor of Fine Arts</i>
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	<i>Assistant Professor of Physics</i>
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INGRITH J. DEYRUP, Ph.D.	<i>Assistant Professor of Zoölogy</i>
FRANK H. BOWLES, A.M.	<i>Director of University Admissions</i>
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JEAN T. PALMER, A.B.	<i>Assistant to the Dean—Admissions, Information</i>
MARY E. MACDONALD, A.M.	<i>Assistant to the Dean—Residence Halls</i>

Other Officers of Instruction

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AILEEN WARD, M.A.	<i>Instructor in English</i>

THE FACULTY

II

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	<i>Lecturer in English</i>
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	<i>Lecturer in French</i>
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ANNE M. RITTER, A.M.	<i>Lecturer in Psychology</i>
MARGARET MEIGS, M.A.	<i>Lecturer in Psychology</i>
CORA KASIUS, B.A.	<i>Lecture in Social Work</i>
JOSEPHINE F. PALACIOS, B.A.	<i>Lecturer in Spanish</i>
JOY MAHLER, A.B.	<i>Assistant in Anthropology</i>
RUTH E. FRANZ, A.B.	<i>Assistant in Botany</i>
MARIE MOUCHA, A.B.	<i>Assistant in Botany</i>
MARY JANE WILLIAMS, A.B.	<i>Assistant in Chemistry</i>
GERALDINE LYNCH, A.B.	<i>Assistant in Chemistry</i>
COLLEEN WILLIAMS, M.A.	<i>Assistant in Economics</i>
EDITH GLASSENBERG, A.B.	<i>Assistant in Fine Arts</i>
FLORA BRIDGES, A.M.	<i>Assistant in Government</i>

MARY GWATHMEY, A.B. *Assistant in Mathematics*
 MIRIAM SKINNER, M.A. *Assistant in Physics*
 IRMA SILVER, A.B. *Assistant in Psychology*
 THELMA HERMAN, A.M. *Assistant in Sociology*
 MURIEL MERKER GLUCKSON, A.B. *Assistant in Zoölogy*
 ELLEN DEMPSEY, A.B. *Assistant in Zoölogy*
 MARGARET LIEB, M.A. *Assistant in Zoölogy*
 BARBARA MARTIN, A.B. *Assistant in Zoölogy*
 ALICE SCHWARZE, M.A. *Assistant in Zoölogy*
*Other Officers of the university and Professors from other institutions who
 give part-time instruction in Barnard College will be found in the lists at the
 head of departmental announcements.*

Officers Emeritus

VIRGINIA C. GILDERSLEEVE, Ph.D., LL.D., Litt.D., L.H.D. . . *Dean Emeritus*
 IDA H. OGILVIE, Ph.D. *Professor Emeritus of Geology*
 WILHELM A. BRAUN, Ph.D.
 Professor Emeritus of the Germanic Languages and Literatures
 WILLIAM T. BREWSTER, A.M., Litt.D. . . . *Professor Emeritus of English*
 HENRY E. CRAMPTON, Ph.D., Sc.D. *Professor Emeritus of Zoölogy*
 GERTRUDE M. HIRST, Ph.D., M.A. (Cantab.)
 Professor Emeritus of Greek and Latin
 MARIE REIMER, Ph.D. *Professor Emeritus of Chemistry*
 HARRY L. HOLLINGWORTH, Ph.D., LL.D. . *Professor Emeritus of Psychology*
 WILLIAM PEPPERELL MONTAGUE, Ph.D. . . *Professor Emeritus of Philosophy*

Barnard Representatives on the University Council

The DEAN (*ex officio*), Professor HALLER (serving until June, 1947), and
 Professor MULLINS (serving until June, 1948)

Barnard Representatives on the University Committee on Admissions

Mr. BOWLES, Chairman, and the DEAN (*ex officio*).

MEMBERS OF BARNARD SUBCOMMITTEE: Professors LATHAM, DEL RÍO, and
 McGUIRE.

Standing Committees of the Faculty

COMMITTEE ON INSTRUCTION: The DEAN, *chairman*, Professors HOFFHERR,
 BOORSE, SAULNIER, SHARP, LORCH, DOWNES, KOMAROVSKY, McGUIRE, and
 Associate Dean GREGORY (*ex officio*).

COMMITTEE ON SCHOLARSHIPS: The DEAN, *chairman*, Professors HARRING-
 TON, McGUIRE, and LADUE, Mrs. BAILEY, DR. SWALLOW, and Miss MAC-
 DONALD.

COMMITTEE ON HONORS: The DEAN, *chairman*, Professors REICHARD,
 BYRNE, LAWRENCE, YOUTZ, and LORCH.

COMMITTEE ON STUDENT AFFAIRS: The DEAN, *Chairman*, Professors SHARP and HOLLAND, DR. RICH, MISS COMER and Professor HARRINGTON, *secretary and executive officer*.

COMMITTEE ON SCHEDULE OF HOURS: Associate Dean GREGORY, *chairman*, Professors MULLINS, PUCKETT, McGUIRE, and the DEAN (*ex officio*).

COMMITTEE ON TRANSFERS: Professor LOWTHER, *chairman*, Professors PUCKETT and SARGENT, DR. ELIOT, MISS CARBONARA, MISS HYDE, The DEAN (*ex officio*) and Associate Dean GREGORY (*ex officio*).

COMMITTEE ON THE FOREIGN LANGUAGE REQUIREMENT: Associate Dean GREGORY, *chairman*, Professors PUCKETT, GREET, HOFFHERR, DAY, and DEL RÍO, MISS CARBONARA, and the DEAN (*ex officio*).

COMMITTEE ON LIBRARY: Professor HALLER, *chairman*, Professors BYRNE and ARENSBERG.

COMMITTEE ON INTERNATIONAL AND AREA STUDIES: Professor PEARDON, *chairman*, Professors HALLER, BYRNE, HOFFHERR, REYNARD, SAULNIER, and The DEAN (*ex officio*).

Officers of Administration

JEAN T. PALMER, A.B.	Assistant to the Dean—Admissions, Information
ESTHER GREENE, A.B., B.S.	Librarian
THUSNELDA BRETTMAN	Assistant Librarian
MARGARET GIDDINGS, A.B.	Registrar
DOROTHY E. FOX, A.B.	Assistant Registrar
EMILY G. LAMBERT, A.B.	Bursar
FRANCES A. BARRY, A.B.	Assistant Bursar
JOHN J. SWAN, M.E.	Comptroller
KATHARINE PROVOST, B.S.	Assistant to the Comptroller
GULIELMA F. ALSOP, M.D.	College Physician
MARY E. MACDONALD, A.M.	Assistant to the Dean—Residence Halls
KATHARINE S. DOTY, A.M.	Assistant to the Dean—Occupation Bureau
VIRGINIA D. HARRINGTON, Ph.D.	Assistant to the Dean— Student Organizations and Social Affairs
HELEN ERSKINE, A.M.	Assistant to the Dean—Public Relations
LORNA F. McGUIRE, Ph.D.	Freshman Adviser
ELEANOR HYDE, A.M.	Sophomore Adviser
FREDERICK A. GOETZE, M.Sc.	Treasurer of the University
REV. STEPHEN F. BAYNE, JR., S.T.M.	Chaplain of the University
WILLIAM M. McCASTLINE, M.D.	University Medical Officer

ADMISSION

General Statement

A student in Barnard College who has fulfilled the preliminary qualifications for candidacy for a degree is enrolled as a matriculated student of Columbia University.

Admission to the several schools and colleges of Columbia University presupposes certain educational qualifications, but the possession of the qualifications does not entitle a candidate to admission unless his or her character and personality are acceptable to the University and unless he or she is physically fit to do the work which he or she desires to undertake. Satisfaction of the minimum requirements for admission to the schools and colleges of the University does not insure admission, particularly if the school or college be crowded.

Each person whose registration has been completed will be considered a student of the University during the period for which such registration is held valid. No student registered in any school or college of the University shall at the same time be registered in any other school or college, either of Columbia University or of any other institution, without the consent of the appropriate Dean or Director.

In exceptional circumstances a student not enrolled as a matriculated student may be admitted to the University as a nonmatriculated student, with permission to attend such courses of instruction as he or she is qualified to take, but not as a candidate for a degree, certificate, or diploma in regular course. Nonmatriculated students are expected to conform to the same standards of attendance and scholarship as are required of matriculated students. Nonmatriculated students may receive a formal statement of the satisfactory completion of any course.

Exceptions may be made for students prevented by conscientious scruples from complying with academic requirements which may be fulfilled only upon days set apart by their church for religious observance who make application to the appropriate authority.

Policy and Procedure

Barnard College selects its students from an eligible list consisting of all candidates who present satisfactory evidence of good character, good health, good preparation and intellectual ability.

In choosing the members of its freshman class and also the students from other colleges admitted to higher standing, the College keeps in mind the desirability of having a student body which, though reasonably congenial, will be as far as possible a cross-section of the country geographically, economically, socially, and in other ways, so that it will be educationally valuable for the members to know one another and to work together. This consideration may influence the selections of the Committee on Admissions.

Each student who plans to enter the College should file an application for admissions, forms for which are obtainable from the Secretary to the Com-

mittee on Admissions, at as early a date as possible, accompanied by a money order or draft for \$10 payable to Barnard College. This application fee will not be credited on the college fees nor refunded for any cause. For other fees, see page 20.

Admission to the Freshman Class

Candidates are admitted to the freshman class only in September of each academic year.

Candidates must be at least fifteen years of age and must submit the following credentials:

- I. Satisfactory evidence of good character, personality and promise. Confidential reports from the applicant's school principal and teachers are given most weight. A personal interview with a member of the Admissions Office staff is most desirable and in any case a photograph must be submitted.
- II. Satisfactory evidence of adequate health.
This consists of a health history and report of a health examination, submitted to the College Physician on a form supplied by the Admissions Office.
- III. Satisfactory evidence of good preparation and intellectual ability.
 - A. Preparation consists normally of graduation from an approved secondary school, or some equivalent education acceptable to the College, representing a four-year course including: four years work in English, three years in some foreign language, two years in another foreign language, a year in algebra, a year in plane geometry; the rest of the course should be selected mainly from history, science, additional languages, mathematics, music and art. For premedical students additional work in mathematics and German is advised. For pre-engineering students three years of social studies, two years of French or German, mathematics through solid geometry and trigonometry, physics, and chemistry are required. Exceptions may be made under special conditions.
 - B. Ability is tested by means of the College Entrance Examination Board Scholastic Aptitude and three Scholastic Achievement tests. These are required of every candidate for admission to the freshman class and in some cases required of those who choose to enter with advanced standing. For complete information regarding these tests, see p. 16.

The emphasis will be placed on the candidate's ability to do college work successfully. If a student is admitted to Barnard College, she will be admitted without entrance conditions. If the time in secondary school has been curtailed or if the school record is lacking in some essential element, the College may require an additional term of work for graduation.

General Information Concerning Tests

The College Entrance Examination Board will administer the following four series of tests in 1947-48:

Saturday, June 7, 1947
 Wednesday, August 27, 1947
 Saturday, December 6, 1947
 Saturday, April 3, 1948

Scholastic Aptitude (including a verbal and mathematical section—
 three hours 8:45 A.M.

Comprehensive Mathematics Test (three hours) 8:45 A.M.

Achievement Tests (not more than three of the following one-hour
 tests can be taken in any one series) 1:45 P.M.

English Composition	Spanish Reading
Social Studies	Biology
French Reading	Chemistry
German Reading	Physics
Latin Reading	Spatial Relations

*Special Aptitude Test for Veterans (three hours) 1:45 P.M.

Part I—Verbal

Part II—Mathematical

Part III—Physical Science *or* Social Studies

Those required for admission to Barnard are:

Scholastic Aptitude Test

Three Achievement Tests, including

- (1) English Composition
- (2) A choice of French, German, Latin, or Spanish (preferably the language the candidate intends to continue in college)
- (3) A choice of social studies *or* one of: Biology, Chemistry, Physics.

Those required for veterans are all three sections of the Special Aptitude Test.

A single Bulletin of Information containing rules for the filing of applications and the payment of fees, lists of examination centers, etc., may be obtained without charge from the College Entrance Examination Board. The Board does not publish a detailed description of the Scholastic Aptitude Test, the Comprehensive Mathematics Test, or the Achievement Tests. Brief descriptions are included in the Bulletin. A practice form of the test will be sent to every candidate who registers for it.

*The Special Aptitude Test for Veterans will also be administered by the Board on the second and fourth Saturday afternoons of each month in the following cities: Berkeley, Cal.; Cambridge, Mass.; Chicago, Ill.; Los Angeles, Cal.; New York, N. Y.; Philadelphia, Pa.; Pittsburgh, Pa.; Washington, D. C. The fee for this test is six dollars. Veterans should secure application forms and other pertinent information directly from the college. Only duly authorized veterans will be admitted.

Candidates should make application by mail to the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey. Blank forms for this purpose will be sent to any teacher or candidate upon request. When ordering the forms, candidates should state whether they wish to take the April, June, August, or December tests.

In order to facilitate the arrangements for the conduct of the tests, all applications should be filed as early as possible. Each application should be accompanied by the appropriate examination fee:

Scholastic Aptitude Test alone	\$5.00
One, two or three Achievement Tests	6.00
Scholastic Aptitude and one, two or three Achievement Tests	9.00
Special Aptitude Test for Veterans	6.00

Applications will not be accepted unless they are received at least a week prior to the date of the tests, and candidates may not register for the tests at the examination centers.

The Board will report the results of the tests to the institution indicated on the candidate's application. The colleges will, in turn, notify the candidates of the action taken upon their applications for admission. Candidates will not receive reports upon their tests from the Board.

Admission to Advanced Standing

Candidates are admitted to advanced standing in September and February.

Students who have satisfactorily completed at least a year of work at an acceptable college, scientific school, or foreign institution of equivalent grade may be admitted with such advanced credit as their previous records may warrant. In general a candidate with a good record transferring to Barnard from a similar college of equal standing will receive at Barnard a year's credit for a year's work at the institution from which she comes.

Each candidate should send to the Committee on Admissions with her application a catalogue of her college plainly marked, showing entrance credit and courses taken. The applicant should request the college to send an official transcript of her college record, including entrance credit. If for any reason a student cannot obtain an official record until the end of the term, she may substitute her report cards. One or the other must be in the hands of the Committee on Admissions before the Committee on Transfers can estimate her standing in Barnard College. The Committee on Transfers will give an applicant a tentative estimate of the time she will be expected to spend at Barnard in order to secure a degree, and the prescribed work she will be asked to do. Final determination of these matters lies with the Committee on Transfers which reserves the right of readjusting credit at any time. These reports should be received by the Committee on Admissions by July 1 for admission in September and by December 1 for admission in February; otherwise action on the case may be delayed until just before the opening of college. Final action on admission depends upon (1) the honorable dismissal, (2) the certificate of good moral character from an authorized representative of her college, and (3) the certificate of adequate health.

If all credentials are not in the hands of the Committee on Admissions by Friday, September 19, the student's registration may be deferred until Saturday, September 27, involving an additional fee of \$15 for late registration.

No applicant may enter the senior class as a candidate for a degree after October 15 in any year, and no student will receive a degree who has been a full-time matriculated student less than two full sessions at Barnard College. It is, however, rarely possible even for a good student to secure a degree in this minimum period of study. (See also paragraph 7, page 30.)

A candidate for admission with advanced standing from a junior college may be asked to take the Scholastic Aptitude test, and if admitted, will be allowed to enter courses that succeed her junior college courses. No definite credit for her junior college work can be assigned until after she has had an opportunity to establish a good record at Barnard.

Admission as Special Students

Women who wish, without working toward a degree, to make a serious study of some subject or group of subjects, may, with the approval of the Committee on Admissions, enter Barnard as nonmatriculants, not candidates for the degree. They need not pass formal entrance examinations, but they must submit satisfactory credentials in regard to character and qualifications for the courses they wish to take.

Candidates for admission as nonmatriculants must be mature. They may not pursue merely elementary courses. They must not, within ten months of the time of application, have been rejected or become deficient as regular students.

They will be held to the observance of the same regulations as to attendance, examination in course, proficiency, and deficiency as regular students. They are also subject to the usual health regulations.

They are entitled to a formal statement as to the satisfactory completion of the work that they have taken. They may, in view of a good record in college courses, be transferred by the Committee on Instruction to the matriculated basis as candidates for a degree.

*Information Regarding Admission of
Women Released from Military Service*

Barnard College is interested in extending its facilities to women from the armed forces and will, so far as its capacity permits, admit qualified candidates from this group. These students will be admitted as freshmen in September or to advanced standing in February and September.

Freshmen

Returned servicewomen coming to college for the first time as freshmen who can submit secondary school records satisfactory to the Committee on Admissions and who can satisfy the entrance requirements by obtaining satisfactory scores on the Special Aptitude Test for Veterans (see page 16) will be eligible to enter as fully matriculated students.

Students who for reasons acceptable to the College are excused from taking this test may enter as non-matriculated special students to be matriculated after a successful year in college.

Candidates should write to the Office of Admissions for full details regarding application. All necessary forms will be supplied by the College, in addition to which the candidate must submit certificate or photostat copy of satisfactory service or honorable discharge and the official statement of her eligibility for benefits under the G.I. Bill of Rights if she plans to attend college under these benefits.

Transfers

Former students of other accredited colleges wishing to enter Barnard to finish their college course will be considered for admission on the basis of secondary school and college records. They must fulfill all requirements asked of civilian students who apply for advanced standing (see page 17) and in addition must submit credentials of honorable discharge and eligibility under the G.I. Bill of Rights.

Credit

Credit will be allowed after a successful year at Barnard for such courses of the United States Armed Forces Institute as may be approved by the Faculty of Barnard College and also possibly for certain work in the military training record of the applicant. No credit is allowed toward the Barnard degree for nurses' training.

REGISTRATION

Before attending any University exercise each student shall comply with the regulations in regard to registration and payment of fees.

Students already in college shall give notice of their choice of courses for each session to the Registrar on dates to be announced. Failure to file a program during the proper period will cause the student to incur a fine of \$10. Students in college who defer filing programs from April until after Commencement will incur a fine of \$20. Bills (including bills for room and board for resident students), accompanied by checks or money orders, and any other documents required by the Bursar, and, in September, by University directory cards, must be mailed to the Bursar so that they bear the postmark of September 15 or earlier for the winter term and January 15 or earlier for the spring term. *Failure to mail bills on time will entail a late registration fee of \$15.*

New Students. Appointments at the college for the planning of their programs and the filing of registration forms will be made for the majority of transfers and freshmen in the weeks preceding the opening of the winter or the spring term. Members of the faculty and administrative officers will also be available for consultation on Monday and Tuesday, September 22 and 23, 1947, and on Monday and Tuesday, February 2 and 3, 1948. Bills (including bills for room and board for resident students), accompanied by checks or money orders, and any other documents required by the Bursar, must be received by the Bursar before the opening day of the term, September 24, 1947 or February 4, 1948. If mailed to the Bursar, the envelope must be postmarked September 23, 1947, or earlier, or February 3, 1948, or earlier. *Failure to mail bills on time will entail a late registration fee of \$15.*

Each person whose registration has been completed will be considered a student of the University during the period for which such registration is held valid. No student registering in Barnard shall at the same time be registered in any other school or college, either of Columbia University or of any other institution, without the consent of the Dean.

Withdrawal

An honorable discharge will be granted to any student in good academic standing, not subject to discipline, who withdraws from the College. A student who withdraws is required to notify the Registrar. No student under the age of twenty-one years shall be entitled to a discharge without the assent of her parent or guardian furnished in writing to the Dean. (See REBATES, p. 23.)

FEES

General Statement

All fees are payable semiannually in advance (see instructions under REGISTRATION), and no reduction is made for late registration. Registration is not complete until *all* fees are paid, including residence halls fees. Inasmuch as the

registration fee is charged for the actual process of fulfilling all the requirements of the Registrar's office, it is incurred when the student receives her bill and must be paid even if she withdraws before attending classes. Failure to pay fees on time (see Registration) imposes automatically the statutory charge of \$15 for late registration.

In special cases, for satisfactory reasons and upon payment of a nominal fee, permission may be obtained from the Bursar to defer the payment of approximately one-half the total bill for the session until approximately mid-term—November 14 or March 26—provided that permission is granted before August 15 or December 15. *Any application for the privilege of deferred payment made after August 15 or December 15 will be considered late payment and as such will be subject to a \$5 late payment fee.* In every case where the privilege of deferred payment has been granted, each payment must be made on the due date or an additional \$5 late payment fee will be incurred.

The fees to be paid by students are subject to change at any time at the discretion of the Trustees.

Checks in payment of all fees, including those for charges in the residence halls, should read "Pay to the order of Barnard College," and should be made out for the exact amount of the payment due. As change will not be given on checks, no check which is made out for more than the correct amount will be accepted.

Every financial obligation to the College incurred by the student must be met by January 1 of the winter session or by May 1 of the spring session, if the student is to be permitted to take her examinations and receive credit for the session's work.

The privileges of the College are not available to any student who is delinquent in the payment of her fees.

(The application fee of \$10, payable when application for admission is filed, is not credited on the bill and is never refunded; it should not be confused with the registration fee, payable each session.)

For all students for each session:

- | | |
|---|----------|
| A. Registration fee | \$ 10.00 |
| This fee is included in the bill issued by the Registrar and is never refunded. | |

B. Tuition

1. For matriculated students enrolled:

- | | |
|--|--------|
| a. For 10 points or more | 265.00 |
| b. For 9 points or less \$24 per point for academic work and \$5 each for English D and physical education, if these are required. | |

2. For non-matriculated students: \$24 per point for academic work and \$5 each for English D and physical education, if these are required, with a maximum fee of \$265.00.

In addition, a Student Activities fee is charged all matriculated students \$4.00

Additional fees for *all* resident students for *each* session:

(A room deposit of \$50 is payable by May 15 to the residence halls to secure the assignment of a room. This deposit will be applied \$25 to the rent bill of the winter session and \$25 to the rent bill of the spring session. The entire deposit is forfeited if written notice of withdrawal is received after July 15. In the case of students in residence during the winter session, the deposit applicable to the spring session is forfeited if written notice of withdrawal is received after December 1. In the case of students entering at the beginning of the spring session, the \$25 deposit required for that session is forfeited if written notice of withdrawal is received after December 1. The room deposit is returned if the applicant is not accepted by the College.)

¹ A. Room	\$150.00	
Less one-half room deposit	25.00	125.00
		<hr/>
¹ B. Board		175.00
		<hr/>
		\$300.00

Summary of Fees for the Academic Year

For a non-resident full-time student (taking 10 points or more)

Registration, Tuition, and Student Activities Fee \$558.00

Payable as follows:

May 15	\$50.00
September 15	229.00
December 1	50.00
January 15	229.00
	<hr/>
	\$558.00

In order to obtain a place on the college list for the ensuing winter or spring session students who are currently enrolled must pay a deposit of \$50 on or before May 15 and December 1 respectively. Applicants for admission or readmission must make this advance payment at the time they signify their acceptance of admission or readmission to the College.

The deposit of \$50 will be applied to the tuition bill of the winter or spring session, as the case may be.

The entire deposit of \$50 is forfeited in the event of a student's failure to enter or of her withdrawal, unless the Registrar receives written notice on or before the dates indicated in the following table:

¹ Subject to change in 1947-48.

	Winter Session	Spring Session
Students currently enrolled	July 15	Dec. 1
New students	Aug. 15	Jan. 1
Returning students	Aug. 15	Jan. 1

Deposit payments made after the dates indicated in the above table for the various classifications of students are forfeited in case of withdrawal.

For a resident full-time student (taking 10 points or more)

Registration, Tuition, and Student Activities Fee	\$558.00	
¹ Room	300.00	150
¹ Board	350.00	175
	<hr/>	
	\$1,208.00	325

Payable as follows:

May 15	\$100.00
September 15	529.00
December 1	50.00
January 15	529.00
	<hr/>
	\$1,208.00

Rebates

The registration fee of \$10 is never refunded.

After the second Saturday of either session no tuition fee shall be returned for any course which the student may discontinue. Exception may be made only in cases of total withdrawal from the College, when a partial return of fees may be authorized by the Registrar. This will generally be based on a charge of ten percent a week or any part thereof up to the date on which written notice of withdrawal is received, but in any case at least \$50 of the tuition fee will be retained, representing the deposit which was made to obtain a place on the college list. No fees whatsoever are returned after a period of ten weeks and ten days from the opening of the term.

Refunds of residence halls fees, in case of withdrawal, are made only under special circumstances. If a refund is authorized, it is never authorized on a room fee but is sometimes authorized on a board fee.

Additional Charges

Tuition for courses in applied music:

For special fee in each case, see departmental announcement of course.

Tuition for technical courses in fine arts:

For special fee in each case, see announcement of the School of General Studies.

¹ Subject to change in 1947-48.

Tuition for professional courses that are *not* taken for credit and for certain University classes that, with the permission of the Committee on Instruction, are taken for credit toward the Barnard degree. This varies with the course taken.

Late Registration (see page 20) \$15.00

Privilege of filing program late 10.00

For students in college who fail to file their programs for the coming session within the period announced for that purpose by the Committee on Instruction. Students in college who defer filing programs from April until after Commencement are fined \$20.

Late change of program 5.00

Any change in program initiated by any student and made after the period announced for that purpose by the Committee on Instruction.

Examinations, payable in each case before the examination is held:

For each and every deficiency or special examination 3.00

(A special or deficiency examination is one taken at any time other than at the conclusion of a course actually attended, whether taken prior or subsequent to admission.)

For late application 5.00

For the degree 20.00

This fee is never refunded. It must be paid on or before April 15 by candidates for the degree in June or October and by January 1 by candidates for the degree in February.

Deposits for the use of apparatus, material, and the like are required in:

Chemistry 63, 64, each course 10.00

Chemistry 41, 42, 65, 66, each course 12.50

Chemistry 41a, 105, 106, 145, 146, 150, 157, 158, each course 15.00

Miscellaneous Expenses Not Payable to the College

Gymnasium costume (approximate) 9.00

Textbooks and supplies per year (minimum) 20.00

Student Government dues (for resident students) 1.50

Estimated Cost for the First Year

	DAY STUDENTS	RESIDENT STUDENTS
Registration, tuition, etc.	\$ 558.00	\$ 558.00
¹ Board and Room		650.00
Textbooks (minimum)	20.00	20.00
Gymnasium costume	9.00	9.00
Lunches, transportation, etc. (minimum)	75.00	
Student Government dues		1.50
	<hr/> \$ 662.00	<hr/> \$1,238.50

¹ Subject to change in 1947-48.

This estimate does not include individual allowances for clothes, travel, amusements, supplies, etc.

For information regarding various scholarships, ranging from \$50 to \$700, which are available to students in need of assistance, see page 138.

Fees of State Scholars

Each State Scholar should file at the office of the Bursar *at the time of registration* the notice which she has received from Albany stating that a State Scholarship has been awarded to her. On the basis of this official notice she is entitled to a credit of \$175 a session.

A State Scholarship Certificate for each of these students is then sent from Albany to the Bursar, who records all necessary information and forwards the certificate to its owner. This certificate need not be presented again at the Bursar's office.

Safekeeping of Students' Funds

For the convenience and protection of students while in residence at the University the Bursar of Columbia University, in Room 310 University Hall, is prepared to receive funds for safekeeping, subject to the printed regulations, copies of which may be obtained at his office upon request. There is no charge for this service.

Personal checks will not be cashed by the University or credit allowed until the money has actually been received from the bank on which the check is drawn. However, checks, drafts, and money orders may be deposited for collection. Students should provide themselves with traveler's checks to cover their immediate expenses.

THE PROGRAM OF STUDIES

In order to provide for its students an opportunity to develop their minds, characters, and physical well-being, Barnard College has set up certain requirements for the degree and offers a wide range of courses of study. The Faculty does not believe that any one curriculum is best for all students. The requirements for the degree, therefore, constitute an elastic framework within which a great variety of curriculums can be planned, under the guidance of the different departments or interdepartmental committees, adapted to the aptitudes and interests of many types of students.

There are very few specific requirements.

The College believes that every student should be able to speak and write good English, and that her mind should be trained to think straight, weigh facts, and seek the truth. Such abilities may be developed in many courses and activities, but specifically the Faculty requires as helpful toward these ends English A and English D.

The College believes, also, that every student should know the laws of health and apply them to her daily living, and should develop as sound and vigorous a body as her constitution permits. To these ends the Faculty requires Hygiene A in the freshman year and Physical Education throughout the college course.

The College believes, also, that every student should have a fair command of at least one foreign language and through this attain some knowledge of the nature of the people to which it belongs. The Faculty, therefore, requires every candidate for the degree to pass a test showing that she can read at sight with ease French, German, Greek, Latin, Italian, or Spanish,—with substitution of other languages permitted in special cases.

The Group Requirement

The College believes that every candidate for the degree should have enough general education to give her some knowledge of the nature of the main fields of human thought. The Faculty accordingly requires all students to distribute their work sufficiently among the three groups in which all the subjects are classified so that they acquire at least 14 points of credit in each group. The greater part of this group requirement is usually met in the freshman and sophomore years.

Group I is made up of the languages, literatures, and other fine arts. Each student is asked to take her 14 points in this group mostly in courses beyond merely elementary language study.

Group II is made up of the natural sciences and mathematics. Since the Faculty believes that every educated person should have some contact with scientific method and thought, each student is required to take eight points in one of the laboratory science courses listed below.

Group III is made up of the social sciences. Believing that every educated person should have some knowledge of the long history of man, the Faculty requires that all candidates for the degree must take at least six points of history.

The Major Requirement

As the group requirement is designed to distribute the student's work to some extent in the different fields of knowledge and thus prevent undue specialization, so the major requirement is designed to prevent undue scattering by requiring that every candidate for the degree must concentrate her work sufficiently to gain a fairly thorough knowledge of one subject.

Each student selects her major at the end of her sophomore year. She then becomes subject to the requirements laid down by the department or interdepartmental committee of her choice. Under their guidance she has considerable freedom in selecting courses, but she must take at least 28 points in her major subject and meet the specific prescriptions of courses in the major and related subjects. Before graduation, she must pass the major examination, which is designed to test the candidate's command of the subject, or of some definite part of the subject, as a unified and coherent whole.

Besides the program of courses listed below, the College offers its students other opportunities for attaining that general development of mind, character, and physical well-being which is its purpose. These are provided through student government, extra-curricular clubs and activities of many kinds, the social life of the residence halls and, for the non-resident students, the Assem-

blies, the Chapel and the related religious organizations, and all those varied human contacts which constitute so important a part of college education.

Requirements for the Degree

For purposes of clearness, the requirements described above are repeated below specifically and in more detail.

The requirement for graduation is the satisfactory completion of 120 points, exclusive of the prescribed work in English D and in physical education. A point usually signifies the equivalent of one hour of classroom attendance or two hours of laboratory work per week. Thus a three-point course normally meets for three hourly periods in one week.

Upon satisfactory completion of a program arranged according to the regulations of the College, the student is recommended by the Faculty of Barnard College to the Trustees of Columbia University for the degree of Bachelor of Arts. Diplomas are issued in June, February, and October upon the completion of the requirements for the degree.

Specific Prescriptions

English A	6 points
English D	no points
History	6 points
Hygiene A	2 points
Physical Education, A, B, C, D	no points

Ability to read at sight with ease one of the following languages:

French, German, Greek, Italian, Latin, or Spanish. This ability is tested by an examination in one of the above languages which should be taken as early as possible in the college course.

One full-year course in a second foreign language if the student has not already acquired this knowledge.

A major subject of at least 28 points
in Group I, II, or III (see below) and a major examination designed to test the candidate's command of the subject, or of some definite part of the subject, as a unified and coherent whole.

Courses amounting to not less than *14 points* in each of the two remaining groups subject to the restrictions noted below . . . 28 points

Electives 50 points

Required for the degree 120 points

Groups of Study

GROUP I. Languages, Literatures, and other Fine Arts:

Ancient Art, Anthropology (Courses 5, 6, 7, 8, 107, 108, 127, 128), Classical Literatures (in translation), Comparative Linguistics, English, Esthetics (Philosophy 41-42, 45, 53, 54, 145, 168), Fine Arts, French, German, Greek, Italian, Latin, Music, Portuguese, Romance Philology, Russian, Spanish.

RESTRICTIONS: The 14 points may not include (1) more than one elementary course in ancient foreign languages, (2) any first-year course in modern foreign languages, (3) English A.

GROUP II. Mathematics and Natural Sciences:

Anthropology (Courses 3, 4), Astronomy, Botany, Chemistry, Geography, Geology, Logic (Philosophy 6), Mathematics, Physics, Psychology (Courses 7-8, 9, 11, 19, 22, 24, 48, 58), Statistics (Economics 18), Zoölogy

RESTRICTIONS: 8 of the 14 points must be in one of the following laboratory sciences: botany, chemistry, geology, physics, experimental psychology, zoölogy.

GROUP III. Social Sciences:

Anthropology (Courses 1, 2, 13, 14, 17, 51, 52), Archaeology, Classical Civilization, Economics, Geography, Government, History, Philosophy, Psychology (Courses 1, 26, 27, 28, 37), Religion, Sociology, Statistics (Economics 17).

RESTRICTIONS: All candidates for the degree, whatever their major, must take at least 6 points of history.

Program for Students Admitted by Transfer from Other Colleges

Students from other colleges transferring to Barnard College will be held to the requirements for the degree outlined on page 27, including the major, history, laboratory science, and language requirements. The English A requirement may usually be satisfied by passing a proficiency test. Of the points required for the degree 30 must be taken at Barnard, as well as a minimum of 12 points in the major subject.

In general, those students who have been admitted by transfer to Barnard College will be allowed to enter the class to which their previous records entitle them. The Committee on Transfers will determine, in conference with the student, the program of work that she shall take in the light of her previous academic record, her experience and maturity, her intellectual interests, and professional plans. In certain cases a year of probation may be required before the status of the student is exactly fixed.

Sufficiently able students may transfer to professional schools provided they meet the standards required by the University Committee on Admissions.

Courses in the Graduate Faculties Open to Barnard Students

Certain graduate courses in Columbia University under the Faculties of Political Science, Philosophy, and Pure Science which are listed in the Barnard Announcement are open, with the consent of the department concerned and the Committee on Instruction, to specially qualified seniors. In these courses special arrangements are made for the supervision of the work of undergraduates. Since graduate work is on a different basis of credit from undergraduate work, a student in Barnard College may take graduate courses only if special arrangements have been made for the supervision of her work. Seniors of unusual ability may request permission to elect two graduate courses in their major field.

Graduate courses may be counted toward the Bachelor's degree when approved by the Committee on Instruction. An undergraduate of high standing, who is within 12 points of that degree, may register for graduate courses in fulfillment of the requirements of a higher degree, with the approval of the appropriate Deans. However, she can only receive graduate credit for the difference between 15 points and the number of points needed, at the beginning of the session, to complete the requirements for the Bachelor's degree.

For full information concerning the content of the courses, students are referred to the appropriate University announcements mentioned at the end of the departmental statements.

Degree with Honors

Degrees with honors will be awarded to students who have completed the work for the degree with highest distinction (*summa cum laude*), with high distinction (*magna cum laude*) and with distinction (*cum laude*).

GENERAL REGULATIONS REGARDING THE PROGRAM OF STUDIES, EXAMINATIONS IN COURSE, CREDIT, AND ADVANCEMENT

ELECTION OF COURSES. Before final choice of courses, all students should consult their advisers. (To avoid conflicting hours, see Scheme of Attendance, page 134.) For advice concerning an advantageous combination of courses in related departments, officers in the departments concerned should be consulted.

The following regulations should also be borne in mind:

1. No courses other than those specified in the Announcement may be taken except by students qualified to pursue them, who have obtained the consent of the Committee on Instruction.
2. The election of courses under the Graduate Faculties of Political Science, Philosophy, and Pure Science is restricted to qualified seniors and requires the consent of the head of the Barnard department and of the Committee on Instruction. (For further details see page 28.)
3. Specific courses in the School of General Studies of Columbia University may be credited toward the Bachelor's degree under the following regulations:
 - a. Courses must be approved by the Committee on Instruction and by the Director of the School of General Studies.
 - b. Students cannot elect more than 16 points at one time, including the points of the School of General Studies, without special permission of the Committee on Instruction.
 - c. Students desiring to count these courses toward the degree must obtain in them a grade of at least C.

- d.* Fees for courses taken in the School of General Studies are not included in the regular tuition. Such fees will be added to the Barnard College bill.
4. No combination of courses amounting to less than 12 or more than 16 points may be made in any winter or in any spring session without the consent of the Committee on Instruction.
 5. No credit will be given for a one-hour course, unless it is taken in connection with and as a supplement to a cognate course.
 6. No more than four hours of class work, or its equivalent in laboratory work, or seven hours of class work and laboratory work combined, may be taken on the same day.
 7. Of the points required for the degree, at least 30 must be taken while the student is registered in Barnard College, and at least 15 during the senior year.
 8. The election of specific courses in a summer session must be approved by the Committee on Instruction of Barnard College. Except by special permission of the Committee on Instruction, any student whose average standing lies below 2.50 (see page 32) during the preceding academic year will be restricted to six points of work for a six-weeks' session and a proportionate amount for longer sessions.
 Summer session courses must be passed with a grade of at least C in order to be credited toward the Barnard degree. Additional credit for high standing is not given for summer work.
 No credit toward the degree will be allowed for work taken in a summer session without the previous approval of the Committee on Instruction, *unless a report is submitted within a month of the student's return to Barnard.*
 9. Tuesday at 1:10 p.m. is the Assembly hour. Academic meetings at which attendance is required are held at this time, and all students must keep the hour free from other engagements.

Time Limit for Counting Work toward a Degree. All requirements for a degree must be fulfilled by the candidate within six years from the time of her first matriculation as a freshman in college, whether at Barnard or elsewhere; within four and a half years from similar matriculation as a sophomore; within three years from similar matriculation as a junior; and within one and a half years from similar matriculation as a senior. If the candidate fails to satisfy the requirements within the time here specified, she is to lose credit for all the points gained by her toward the degree unless the Faculty shall otherwise direct.

The Foreign Language Requirement. The foreign language tests are held in January, in May, and in September, and are open to students according to regulations announced by the Committee on Instruction. A student must pass the test by the time she is within 40 to 42 points of graduation. She will be suspended until the requirement is satisfied unless the Committee on Instruc-

tion permits her to remain for one session on probation with a limited program. A transfer student within 40 to 42 points of graduation who fails the test will be ranked as unclassified, with no promise as to when she will be recommended for the degree.

After a student has satisfied all other degree requirements she is permitted *only* two additional trials of the test.

Transfer students and entering freshmen who are well-grounded in a foreign language are advised to try the test on arrival.

Change of Program. No change of program, by adding or dropping a course, or by changing sections or the point-value of a course, may be made by a student without the written consent of the Committee on Instruction. Except on the initiative of the departments or the Committee on Instruction, such change will not be allowed for old students *after the first Monday after the opening of either the winter or the spring session*. New students are allowed an additional period of five days in which to make changes. All student-initiated changes, unless necessitated by exceptional circumstances, entail a fee of \$5. (See also paragraph on fees, page 24.)

Absences. All students are expected to attend regularly and promptly the courses for which they are registered. Any considerable amount of absence or tardiness will result in the lowering of a student's grade or the loss of one or more points of credit.

The attendance of students on the Dean's List is not supervised by the Committee on Instruction. Instructors, however, have authority to lower the grade in the case of undue absence or tardiness.

The attendance of all other students is under the supervision of the Committee on Instruction who, at the end of each semester, will deal with absences exceeding the number of class hours in any week, that is,

- more than 1 absence from a class meeting 1 hour a week
- more than 2 absences from a class meeting 2 hours a week
- more than 3 absences from a class meeting 3 hours a week
- more than 4 absences from a class meeting 4 hours a week
- more than 5 absences from a class meeting 5 hours a week

Two latenesses equal one absence. Students are expected to reserve their absences for illness and other urgent reasons. Illness will be taken into consideration by the Committee on Instruction as a possible excuse for excess absence only if a statement is filed by the student in the Registrar's office immediately on her return to college.

Stated Examinations. Two series of examinations are held every year, one in January and the other in May. These are the only stated examinations. In 1948, the mid-year examinations begin on Monday, January 19, the final examinations on Monday, May 17.

Special Examinations. Special examinations are held within the two weeks preceding the opening of the College in the fall.

Such examinations must be taken in one of the two periods for special or deficiency examinations immediately following the stated examination that was missed. They are open, by permission of the Committee on Instruction,

to students who have been absent, for imperative reasons, from the stated examination in any course, provided their work during the term has been satisfactory.

In all cases application for permission to take a special examination must be made in writing. A fee of \$3.00, *payable in advance*, is charged for each special examination (see page 24).

Grades and Credits. The student's performance in a course is rated according to the following grades: A, excellent; B, good; C, fair; D, poor; P, passed without specific grade; F, failure. The mark *Incomplete* is given only when the student has obtained, in advance, the permission of the instructor to postpone the submission of certain outstanding work which must be made up before a specific grade can be reported. Under the regulations of the Faculty, outstanding work that is not completed within three weeks after the end of the session automatically becomes an F.

Standing in college is determined by a valuation of each academic point according to the mark received. Each point with a mark of A counts 4; B, 3; C, 2; D, 1; F (or *Absent* or *Incomplete* until satisfied), 0. The average mark per point constitutes the student's rating.

No student may count in any one year more than six points of D work. In case more than four years is required for her degree, not more than 24 points of D work altogether may count toward the degree. Of several courses in which a student is marked D she may choose the ones to be counted. No work of grade D may count in the major of 28 points. No work of grade D taken in a summer session or in University classes may be counted.

At the end of the sophomore year the records of all students will be scrutinized. Only those who have attained at Barnard College at least a C average (2 rating) or who have shown promise of future development will be permitted to continue in college and pursue the more advanced study of the junior and senior years.

In order to be recommended for the degree, each student must attain at Barnard College an average of C or above for the entire course and for the senior year.

If a student fails to attain a C average at the end of four years and consequently does not receive a degree at this time, the Committee on Instruction will consider her case and determine whether or not she may continue her candidacy for the degree and, if so, under what conditions.

Dean's List. At the end of each academic year, there will be compiled a Dean's List to consist of students who, in the opinion of the Committee on Honors, deserve special mention for scholarly excellence during the previous year. Names will be announced at the opening of the following academic year.

Additional Credit for High Standing. At the end of the winter and the spring session, additional credit for high standing is given as follows:

The grade A in courses aggregating six points of work entitles the student to one point of extra credit, provided she has carried a program of at least 12 points, has satisfactorily completed all the work of the session, and has not fallen below the grade B or received a report of *Absent*, *Incomplete* or *De-*

ferred in any course. Additional credit for high standing is not given for summer session work.

Classification of Students. Matriculated students whose record is satisfactory to the Committee on Instruction are classified as follows:

Freshmen, those who have completed less than 24 points of academic work.

Sophomores, those who have completed 24 points.

Juniors, those who have completed 54 points.

Seniors, those who have completed 86 points.

Unclassified students,

those who have not yet been assigned definite credit on transfer,

those who are electing less than 10 points a term.

In all cases the requirements for promotion must be met in full before the beginning of the winter session.

A student who fails to meet the requirements for advancement from one class to another may, with the consent of the Committee on Instruction, remain in college and repeat the course or courses in which her deficiency exists, or take other courses equivalent thereto in time. She may not, however, register as a non-matriculated special student.

Should a student fail of advancement in two successive years, she shall be permanently dismissed from the College, unless the Committee on Instruction shall otherwise determine.

PROFESSIONAL SCHOOLS OF COLUMBIA UNIVERSITY OPEN TO BARNARD STUDENTS OR GRADUATES

The requirements for admission to the professional schools of the University vary: in some instances a Bachelor's degree is necessary; in others a student is eligible after three years, two years, or one year of successful college study. Since only a limited number of students can be accommodated, the most promising applicants are selected by the office of University Admissions.

Barnard College keeps in close touch with these schools and endeavors to give its students the best possible advice concerning preparation for them.

Barnard students preparing for admission to these professional schools must take at Barnard the courses in written and spoken English (English A and English D), Hygiene A and Physical Education, normally required of all degree candidates. They should also elect the subjects required by the special school they hope to enter.

Full information regarding each school may be obtained from its own special announcement, which will be sent on request by the Secretary of Columbia University.

THE PROFESSIONAL OPTION

It is possible for an unusually good student to shorten her course by means of the so-called "professional option",—a plan under which permission is given to count the first year in a professional school in place of the senior year at Barnard. To be eligible for this privilege, a student must complete at

Barnard before transferring to the professional school ninety points of academic work, including all group requirements, and a major of twenty-eight points, unless this number is reduced in individual cases by special permission of the Committee on Instruction.

Students transferring to Barnard from other institutions will be granted this privilege of the professional option only if they have an unusually good record and in no case will the permission of the Committee on Instruction be given until after the student has completed at least one full year of work in Barnard College.

The professional option is possible in connection with the Schools of Architecture, Dental and Oral Surgery, Engineering, Law, Medicine, and in special cases, Business.

ARCHITECTURE

The School of Architecture offers a course of study leading to the degree of Bachelor of Architecture. Under normal conditions, the professional degree may be obtained in four years.

The work at Barnard should include, among other courses, a full year in a foreign language (preferably French or German), in English, in mathematics, and in economics, or history, or government, or sociology. For students not candidates for the Barnard degree, at least one year (30 points) of college work, but preferably more, is required for admission to the School of Architecture.

BUSINESS

The School of Business offers a two-year course of study leading to the degree of Bachelor of Science. The applicant must complete two years (60 points) of liberal arts for admission. The preparatory work at Barnard should include two years of English, two years of French, German, Spanish, or Italian, or their equivalent, one year of algebra, and one year of economics.

The School of Business also offers a one-year course of study leading to the degree of Master of Science for college graduates who have majored in business, a two-year course of study leading to the degree of Master of Business Administration for college graduates without previous preparation in business, and advanced studies leading to the degree of Doctor of Philosophy. For regulations governing admission and these graduate programs, consult the *Announcement of the School of Business*.

DENTAL AND ORAL SURGERY

The School of Dental and Oral Surgery offers a four-year course of study leading to the degree of Doctor of Dental Surgery. The preparatory work at Barnard should comprise a minimum of 12 points in chemistry, including organic chemistry, and a minimum of 6 points each in English composition and literature, physics and zoölogy. Upon completion of these requirements, a dental aptitude test must be taken. The Admissions Committee of the School of Dental and Oral Surgery will consider carefully the entire predental record and select the most promising candidates. The minimum requirement for admission is three years (90 points) of college work.

ENGINEERING

The School of Engineering offers undergraduate courses in the several major branches: chemical, civil, electrical, industrial, mechanical, mining, and metallurgical engineering which lead to the degree of Bachelor of Science, and graduate courses leading to the degrees of Master of Science and Doctor of Philosophy. For details see the *Announcement of the School of Engineering*.

The prescribed subjects of the freshman and sophomore years of the four-year program for the degree of Bachelor of Science can be taken by combining certain courses offered by Barnard College with courses offered by the School of Engineering. It is educationally desirable, however, that the prospective engineering student extend and broaden this required pre-engineering course to cover three years in Barnard College. Under this plan, known as the "professional option," Barnard College will then accept the successful completion of the regular junior year in the School of Engineering in lieu of the fourth year in Barnard College for the award of the degree of Bachelor of Arts. Upon completion of the senior year in the School of Engineering, the degree of Bachelor of Science will be awarded by that School. The student thus receives the degree of Bachelor of Arts in four years and Bachelor of Science in five.

Students who are interested in such a program should offer at entrance additional credits in mathematics (through trigonometry), one in chemistry, and if possible, one in physics.

For details of this program consult the Associate Dean.

INTERNATIONAL AFFAIRS

The purpose of the School of International Affairs is to provide a course of instruction which will equip a limited number of students for staff and administrative posts in international fields. The emphasis during the first year is upon the development of an adequate knowledge and understanding of the field generally; emphasis in the second year is upon the development of one of the following functional specialties: business affairs, economic affairs, government affairs, international administration, and legal affairs. The degree of Master of International Affairs will be awarded upon the satisfactory completion of the course.

The basic requirements for admission are: (a) a Bachelor's degree from an approved institution, (b) a distinctly superior undergraduate record, and (c) a better than average performance on the Graduate Record Examination. In addition to these basic requirements, the student must satisfy special requirements of the functional field in which he plans to specialize. Further information may be obtained from the Office of University Admissions.

THE RUSSIAN INSTITUTE

The Russian Institute of Columbia University was established in 1946 with the assistance of the Rockefeller Foundation. The two-year graduate program leading to a certificate is designed for students who wish to prepare themselves for scholarly or professional careers in the Russian field with a special emphasis in some part of that field.

Within the Institute, the candidate will be expected to concentrate on one of five Russian fields: history, economy, government and law, international relations, or the social and ideological aspects of literature. Outside the Institute, he will work simultaneously for an advanced degree in the graduate department or school that is most closely allied with the specialty he elects within the Institute.

JOURNALISM

The Graduate School of Journalism offers a one-year course leading to the degree of Master of Science. A Bachelor's degree is required for admission to this school. Undergraduate work should, wherever possible, include courses in English composition, government of the United States, history since 1914, economics and sociology. The applicant must have completed courses totaling 96 points in liberal arts and sciences. Ability to use a typewriter is required.

Applicants with journalism experience on press boards, campus newspapers and magazines, or who have had positions in or related to journalism, should present examples of their work in these fields.

The employment of women who have completed this training in recent years indicates that journalism is an expanding profession for qualified women.

LAW

The School of Law offers a three-year course of study leading to the degree of Bachelor of Laws. The preparatory work at Barnard must be of good grade, and should include satisfactory courses in English, in economics, and in English and United States history or the equivalent of such training. Upon completion of these requirements, the candidate's proof of fitness for study of law will be tested by a special capacity test unless waived by the Committee on Admissions. The minimum requirement for admission is three years (90 points) of college work, but the complete college course of four years is considered the most desirable preparation.

LIBRARY SERVICE

The School of Library Service offers a one-year course of study leading to the degree of Bachelor of Science; also an advanced program for students who have completed such a year at the School of Library Service or at other accredited library schools, and who are otherwise qualified by experience and promise.

For matriculation in this school a Bachelor's degree in liberal arts subjects is required. The undergraduate work should include a reading knowledge of French or German and a knowledge of both languages is strongly advised. Evidence of fitness for library work is required of all candidates.

MEDICINE

The College of Physicians and Surgeons offers a four-year course of study leading to the degree of Doctor of Medicine. The preparatory work at Barnard must be of good grade, must include the requirements prescribed by the New York Board of Regents for a qualifying certificate, i.e., approved courses

in English, physics and biology, covering at least one academic year each, and approved course in chemistry, covering at least one and one-half academic years, including an approved course in organic chemistry.

Before admission to the medical school the entire premedical record of each applicant is carefully examined in order that those who are adjudged the most promising candidates for the profession may be selected. While the minimum requirement for admission is three full academic years of college work, the complete college course of four years is considered the most desirable preparation.

NURSING

Columbia University offers a three-year course at the College of Physicians and Surgeons and the Presbyterian Hospital leading to the degree of Bachelor of Science and a diploma in nursing. The preparatory work at Barnard should comprise work in chemistry, biology, psychology and sociology. The acceptance of a candidate is based on grounds of character and health as well as on the fulfillment of the academic requirements. The minimum requirement for admission is two years (60 points) of college work but students who hold the Bachelor's degree may obtain permission to complete the course in two years and four months.

SOCIAL WORK

The New York School of Social Work, affiliated with Columbia University, offers a two-year course of study leading to the degree of Master of Science. The school prepares students for various types of positions in social work under both private and public auspices. Field work under the supervision of private and public agencies forms a considerable part of the curriculum.

For admission to this school a Bachelor's degree is required. The undergraduate curriculum should include a minimum of 20 points in social and biological sciences with the emphasis in the direction of the social sciences.

Enrollment is limited and the school selects from its technically eligible applicants students demonstrating fitness for training in social work. For details and for dates of application the general announcement of the school should be consulted.

TEACHING

Teachers College of Columbia University and Barnard College coöperate in offering to students preparation for teaching elementary and high school subjects. In many states at least three years of special college work with certain professional courses are required of candidates for certificates to teach elementary subjects, and in most states at least a Bachelor's degree and certain professional courses are required of all candidates for certificates to teach high school subjects. There is an increasing trend toward a longer period of preparation, as indicated by the statement from the New York State Education Department that a Bachelor's degree will be required of all candidates applying for the New York State teaching certificate in elementary subjects, and a Master's degree or its equivalent will be required of all candidates applying for the New York State teaching certificate in high school academic subjects after January 1, 1943.

While it is possible for students to satisfy certain states' requirements during their undergraduate course, usually with some summer work in addition to the regular college program, it is advantageous for undergraduates to plan for a fifth year in coöperation with Teachers College. This plan involves the last two undergraduate years and one graduate year and is open to specially qualified students. The undergraduate years will include elementary psychology and two 6-point seminars given at Teachers College for juniors and seniors of Barnard College. The fifth year will be spent mainly at Teachers College. There will be opportunity for graduate study in subjects of the major interest as well as for observation and practice teaching.

Since only specially qualified students will be admitted to the five-year course, application should be made to the Associate Dean of Barnard College early in the sophomore year.

UNION THEOLOGICAL SEMINARY

Union Theological Seminary offers courses of study leading to the degrees of Bachelor of Divinity, Master of Arts in the field of Christian Education and Master of Sacred Music.

Since accommodations at the Seminary are limited, it is necessary to select from the total number of applicants for admission those who seem best qualified, and who in the light of their expressed purpose, personality and record of scholarship give especial promise of usefulness in some form of Christian ministry. The requirement for admission to the courses of study at the Seminary is a Bachelor's degree including special work as indicated below for each degree:

a. *Bachelor of Divinity.* The preparatory work for this three-year course should include the study of philosophy, especially the history of philosophy, and courses in history, literature, economics, psychology, and at least one modern language, either French or German. A knowledge of Greek is desirable.

b. *Master of Arts* in the field of Christian Education. Preparatory work for this course should include some knowledge of the Bible, of the philosophy and ethics of the Christian religion, and of either the psychology of personality or the principles of education. Students with satisfactory preparation in these subjects may complete the work for the Master of Arts degree in one year.

c. *Master of Sacred Music.* Candidates for this degree must give evidence of the completion of an amount of work in music sufficient to enable them to enter with profit upon the courses in sacred music.

COURSES IN OCCUPATIONAL THERAPY

The Faculty of Medicine offers a program of professional study leading to a Bachelor of Science degree in Occupational Therapy. This 25-month program is based upon a minimum of two years of acceptable college work. This work should include the following: English, one year; at least one year of general psychology and one of sociology; one year of a science (biology, chemistry, physiology, or physics). Electives may be chosen from such subjects as languages, science, the humanities, and the social and political sciences. In addition, candidates for admission must possess personal qualifications and

aptitude suited to the practice of occupational therapy. Whenever possible, aptitude will be judged in part by a personal interview.

A graduate program of 17 months is offered for students already possessing an A. B. or B. S. degree. The Faculty of Medicine awards a Certificate upon satisfactory completion of this course.

OPTOMETRY

A special committee of the University Council administers a course of study of professional subjects in optometry. The course leading to the degree of Bachelor of Science normally requires two years of academic work and two years of professional studies.

The requirement for admission to the School of Optometry is the satisfactory completion of two years of acceptable liberal arts college work. This work should include mathematics through differential and integral calculus and one year of physics. Additional study in biological science is recommended.

PHYSICAL THERAPY

The Faculty of Medicine offers a program of training in Physical Therapy which leads to the Bachelor of Science degree. The candidate for admission must offer two years (60 points) of acceptable college work, including courses in zoölogy and other sciences (physics and chemistry).

The course of professional study is a 21-month program including two academic years of clinical practice and didactic instruction plus one summer of clinical practice.

PUBLIC HEALTH

The Faculty of Medicine offers a program of professional study at the School of Public Health leading to the Master of Science degree. A Bachelor's degree from an approved college and evidence of satisfactory scientific training are necessary for admission. All candidates must spend at least one academic year at the school. Field work is required of those specializing in public health education or hospital administration.

CERTIFICATE OF PROFICIENCY IN SECRETARIAL STUDIES

Candidates for degrees in Columbia University and those who hold degrees from an accredited college or university may complete basic training in stenography, typewriting, and secretarial skills and upon examination obtain a Certificate of Proficiency in Secretarial Studies. Such a certificate and the training it represents will be found of value in connection with advanced study, research, and in gaining entrance upon a career in business, government, and the professions. For a descriptive pamphlet apply to the Secretary of the University.

STATISTICS

	1889 to 1890	1899 to 1900	1904 to 1905	1909 to 1910	1914 to 1915	1919 to 1920	1924 to 1925	1931 to 1932	1932 to 1933	1933 to 1934	1934 to 1935	1935 to 1936	1936 to 1937	1937 to 1938	1938 to 1939	1939 to 1940	1940 to 1941	1941 to 1942	1942 to 1943	1943 to 1944	1944 to 1945	1945 to 1946	1946 to 1947
UNDERGRADUATES, REGULAR:																							
Seniors	40	83	62	*123	87	*126	195	*213	170	*181	*189	*183	*200	*178	*164	172	180	*169	*175	*208	208	*257
Juniors	40	71	122	110	190	259	230	207	229	226	209	231	196	179	191	206	185	242	271	314	360	359
Sophomores	37	75	109	191	193	234	232	233	243	226	232	199	188	193	210	212	219	254	248	314	360	310
Freshmen (regular)	4	54	110	188	240	224	271	282	262	241	267	241	257	234	236	246	248	257	291	350	324	311	301
Freshmen (partly regular)	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified students
SPECIAL STUDENTS:																							
Matriculated	14	171	339	481	664	694	947	1002	1008	970	997	1003	1005	958	923	954	967	979	1013	1131	1216	1279	1267
Nonmatriculated	21	27	24	32	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Departmental (1889-1896)	30	32	22	33	42	35	32	29	24	28	28	31	31	27	30	27	23	21	27	19
Music students (1896-1904, 1914-1915)	22	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GRADUATE STUDENTS (1890-1900)	41	..	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTAL STUDENTS PRIMARILY REGISTERED AT BARNARD	22	62	27	54	69	61	33	42	35	32	29	24	28	28	31	31	27	30	27	23	21	27	19
STUDENTS FROM COLUMBIA UNIVERSITY	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
STUDENTS FROM TEACHERS COLLEGE	36	315	366	535	733	755	980	1044	1043	1002	1026	1027	1033	986	954	985	994	1009	1040	1154	1237	1306	1286
TOTAL STUDENTS FROM OTHER PARTS OF THE UNIVERSITY	62	59	28	80	153	167	143	118	163	171	174	114	119	92	88	66	60	37	77	83	106
DEGREES CONFERRED:	..	18	139	259	*108	38	50	46	29	37	21	48	25	22	26	20	25	11	8	1	12	15	12
A.B. (1909-1918)	18	139	259	136	118	203	213	172	155	184	219	199	136	145	112	113	77	68	38	89	98	118
B.S. (1909-1918)	36	333	505	794	869	873	1183	1257	1215	1157	1210	1246	1232	1122	1099	1097	1107	1086	1108	1192	1326	1404	1404
A.M. (1898-1900)	39	83	88	141	139	198	219	231	200	221	219	210	245	216	206	209	221	201	216	270	276	..
Ph.D. (1895-1900)	18	..	2	8	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

DEPARTMENTAL STATEMENTS

The following general regulations apply to all courses. The paragraphs on "The Program of Studies," page 25, should be carefully read.

PREREQUISITES AND CREDIT. Admission to courses depends upon completion of the prerequisites as stated for each course. When no department is named, it is to be assumed that the reference is to a numbered course in the same department. In all cases the requirements as to prerequisites for any course must be completed before the beginning of the winter or of the spring session in which the course is given. Where no prerequisite is stated and where no limitation is noted, the course may be taken for the degree by any student of the college.

No credit in points will be given for a course which is taken subsequent to the course or courses for which it is in any way a prerequisite, though not formally so announced. Courses must be taken for the credit value announced—for no more or no less.

EXAMINATION GROUPS. Courses in Barnard College are arranged in examination groups in order to avoid conflicts on the examination schedule. These groups are indicated by Arabic boldface numerals in brackets immediately following the statement of points. *Group O* includes courses which ordinarily do not have set examinations. No student may elect two courses in the same examination groups (except *Group O*) *without making special arrangements through the Registrar's office for doing so.* (See page 130.)

DESIGNATION OF COURSES. Courses designated by capital letters are prescribed. Elective courses are designated by numbers, odd numbers indicating the winter session, and even numbers the spring session. A compound course is therefore designated by an odd number and the succeeding even number. The numbers from 1 to 99 inclusive are given to courses open only to undergraduates; the numbers from 100 to 199 inclusive are given to courses open to both undergraduates and graduates, the lowest numbers in each case being used for the introductory courses.

Indivisible courses are announced with a hyphen between the numerals (e.g., History 1-2) and are regarded as full-year courses of which the first half is always assumed to be prerequisite for admission to the second half, and, except for reasons of weight, and with the written consent of the instructor and the Committee on Instruction, no credit will be given for work dropped at the midyear or before the completion of the course.

Divisible courses are announced with a comma between the numerals (e.g., English 1, 2). Of these courses the first half may be taken separately but is ordinarily assumed to be prerequisite to the second half. *Therefore, admission to the second half of a divisible course is granted only when all prerequisites have been met and the written consent of the instructor obtained.*

A Roman numeral in parentheses after the hour indicates the section number (e.g., M., W., and F. at 9 (I), at 10 (II), etc.).

COURSES AT COLUMBIA UNIVERSITY OR TEACHERS COLLEGE. Courses marked with an asterisk (*) are given at Columbia University. (See page 28.)

Courses marked with a dagger (†) are given at Teachers College. *Work at Teachers College mentioned herein may be pursued only by regularly enrolled students of Barnard College and only when counting toward the Barnard College degree. Certain courses not here specified as being open at Teachers College may, through the courtesy of Teachers College and with the consent of the Committee on Instruction, be taken by specially qualified seniors.*

WITHDRAWAL OF COURSES. When an announced course has not been applied for by at least three candidates for the degree, the instructor may withdraw it.

TEXTBOOKS, etc. For further detailed information in regard to topics, textbooks, or methods in any particular course students are referred to the instructor.

INTERDEPARTMENTAL MAJORS

INTERNATIONAL AND AREA STUDIES

Designed to provide a foundation for the education of students to be good citizens of a world of international coöperation, and also a foundation for the further advanced training of those who will later specialize and work actively in international affairs.

(Students desiring such advanced training may after graduation from Barnard go on to graduate study in a special field or to such professional schools as the School of International Affairs at Columbia University.)

These International and Area Studies majors are open only to a limited number of unusually well-qualified students whose applications for admission are approved by the Committee in charge. Students should apply at the Registrar's office before April 15 of their sophomore year.

Freshmen looking forward to choosing one of these majors should consult the Freshman Adviser, PROFESSOR MCGUIRE.

Committee for 1947-48: PROFESSOR PEARDON, Chairman, PROFESSORS BYRNE, HALLER, HOFFHERR, REYNARD, and SAULNIER.

I. American Studies

Officer in charge for 1947-48, PROFESSOR REYNARD

Designed to permit students to concentrate on the character of our own country, its traditions, its ideals and its institutions; and also its relations to other nations and its place in world affairs.

Students looking forward to becoming majors in American Studies are advised to take the following courses during their freshman and sophomore years.

A. *History* 3, 4 or 9-10 (to be taken preferably in the sophomore year)

B. At least 12 points from the following basic courses:

Economics 1, 2

Economics 14

English 77, 78

Geology 28

Government 1, 2

History 33-34

History 37, 38

Philosophy 70

Sociology 1-2

After being admitted as majors, students will take:

A. *American Studies* 1-2 in their junior year and *American Studies* 3-4 (the senior seminar) in their senior year.

B. A combination of courses emphasizing one of the following fields of specialization, the selection of field and courses to be approved by the adviser in charge: Economics, Government, History, Literature and Philosophy, Sociology, Foreign Relations.

C. Additional courses in American Studies and related subjects to be approved by the adviser.

AMERICAN STUDIES COURSES

A. Open only to American Studies Majors.

AMERICAN STUDIES 1-2. Discussions, forums and field trips dealing with a variety of American traditions and contemporary problems. Reading and conferences designed to integrate these experiences into the student's knowledge of American affairs. *Required of junior majors in American Studies. Usually 2-4 on alternate Tuesday afternoons. 2 points.* PROFESSOR REYNARD, DR. RAUCH, MISS HYDE, and MR. KOUWENHOVEN.

AMERICAN STUDIES 3-4. Seminar for senior majors in American Studies. Members of the departments of ECONOMICS, ENGLISH, GOVERNMENT, HISTORY, PHILOSOPHY and SOCIOLOGY will participate.

Open only to senior majors in American Studies. Tu., 4-6, and frequent conferences. 8 points. [12]

Officer in charge,

B. Open not only to American Studies majors but also to other students.

[AMERICAN STUDIES 11. AMERICAN SOURCES FOR CREATIVE WRITING. A study of the sources used by selected writers for fictional and non-fictional portrayal of American life. Each student will be given an opportunity to acquire source material of her own and will be assisted in using such sources in creative writing. 2 points. *Not given in 1947-1948. Students can obtain some of this training in English 7, 8.*]

PROFESSOR REYNARD.

AMERICAN STUDIES 13-14. THE HISTORY OF AMERICAN THOUGHT. The development of the main stream of political, religious, philosophical, and economic thought from Puritanism to the present.

Open to properly qualified juniors and seniors, with the consent of the instructors. Given only if at least 10 students register.

M., 2-4. 6 points. [10]

PROFESSORS REYNARD, HARRINGTON and RICH, and

AMERICAN STUDIES 15. THE ARTS IN AMERICAN CIVILIZATION. The development of two distinct traditions of design in America, one derived from Western European sources and the other from the immediate experience of a people living under democratic institutions in a machine economy. The interaction of these two traditions will be traced in architecture, painting, literature and music, with some reference to such "new" arts as cartoon strips and movies.

Open to sophomores, juniors, and seniors, with the written consent of the instructor. M. at 3 and Th. 2-4. 3 points. [10]

MR. KOUWENHOVEN.

AMERICAN STUDIES 16. REGIONALISM IN THE UNITED STATES. A study of the characteristic cultures of various regions of the United States, with special attention to regional literature, English, French, Spanish. *Th., 2-4 and frequent conferences. 3 points. [9]*

MISS HYDE.

AMERICAN STUDIES 17. THE LEGEND OF AMERICA. Foreign conceptions of some of America's basic literary and cultural traditions which have influenced world opinion of America; such traditions as *The Brave New World*, *The Holy Commonwealth*, *The Noble Savage*, *The Franklin Legend of the Natural Man*, *The Land of the Free*, *The Yankee Trader*, *The Lincoln Legend of Homespun Wisdom*, *The Selfmade Man*, *The Melting Pot*, *Titanism*, (ideas about big business and mass production), *Movieland*, *The Roosevelt Legend of the Good Neighbor*.

W., 2-4. 2 or 3 points. Third point, conferences and visits to the United Nations. [5]

PROFESSOR REYNARD.

AMERICAN STUDIES 18. THE STRUCTURE OF LEARNING IN AMERICA. The fundamentals of learning. The spread of education. The varieties of training. The structure of colleges and universities. The foundations for research and higher learning. Books and libraries. The commercialization of knowledge. Some comparison of our American systems with the organization of the fields of knowledge in other countries. *W., 2-4, and frequent conferences. 3 points. [5]*

PROFESSOR REYNARD.

II. Foreign Area Studies

Based on a foundation of general courses in the social sciences and the command of at least one foreign language, and designed to enable students to concentrate on some one country or region of the world.

Students who wish to major in Foreign Area Studies must pass the foreign

language test (page 30) before becoming majors. They should also take in the freshman and sophomore years at least 12 points in the social sciences.

After being admitted as majors, students will be expected to specialize in the civilization of one country or region. For this purpose, they will continue their work in language and take such courses in the history, literature, and institutions of their chosen area as may be determined in consultation with the appropriate adviser. In the fourth year, they will be required to take an interdepartmental seminar in Foreign Area Studies.

(Besides the language courses given in Barnard, additional courses in Russian, and courses in Chinese, Japanese, Arabic, and other languages are available at Columbia for Barnard students.)

Areas of concentration: Lists of specific courses available in Barnard and in other parts of the University for each area can be obtained from the adviser.

1. England, PROFESSOR
2. Far East, MRS. GASTON-MAHLER
3. France, PROFESSOR HOFFHERR
4. Germany, PROFESSOR PUCKETT
5. Italy, PROFESSOR CARBONARA
6. Latin America, PROFESSOR DEL RIO
7. Near and Middle East (some aspects), PROFESSOR PEARDON
8. Russia, PROFESSOR PEARDON

FOREIGN AREA STUDIES 51-52. Senior seminar in Foreign Area Studies. Special study by each member of selected aspects of her area of concentration; group discussion of topics of common interest. Full-year course. *Open only to senior majors in Foreign Area Studies. W., 4-6. 6 points. [0]*

Interdepartmental course. Officer in charge, DR. MURET.

III. International Relations

OFFICER IN CHARGE FOR 1947-48, PROFESSOR PEARDON

Designed for those students who, with a special interest in the social sciences, wish to concentrate on the structure, forces, and problems of modern international society.

Students who wish to major in International Relations should take the following courses in their freshman and sophomore years: *Economics* 1, 2; *Geography* 1-2; *History* 1-2. They are expected to pass the foreign language test normally by the end of the sophomore year and are advised to continue the study of foreign languages throughout their college course whenever that is possible.

In the junior and senior years, majors in International Relations will be expected to take courses in international politics, international law, international trade and finance, and in recent history. In the senior year, also, they will be required to take an interdepartmental seminar.

INTERNATIONAL RELATIONS 81-82. Senior seminar in International Relations.

Individual and group analysis of important problems and trends in the field of international relations.

Open only to senior majors in International Relations. Given jointly by members of the departments of Economics, Geography, Government and History. Tu., 4-6. 6 points. [0]

Officer in charge, PROFESSOR

OTHER INTERDEPARTMENTAL OFFERINGS

In this post-war period there are many demands for women college graduates with professional training in welfare work, group work, social investigation, and nursery-school work. There are some opportunities for those with only the training they receive in college. Students interested in these fields of work should consult the Departments of Psychology and Sociology concerning relevant courses and sequences of courses.

The demand for personnel workers has diminished recently, but occasional openings occur. Those interested should consult the Departments of Economics and Psychology in regard to courses which would be helpful in preparation for this work.

It is possible for students interested in languages to major in a combination of two, such as French and Latin, French and Spanish, etc.

INTERDEPARTMENTAL COURSES

AMERICA AND THE FUTURE

PHILOSOPHY 91, 92. SCHEMES FOR A BETTER WORLD—A BACKWARD LOOK OVER THE UTOPIAN IDEALS OF THE PAST, AN APPRAISAL OF PLANS FOR THE POST-WAR WORLD AND A TAKING STOCK OF THE MEANS TO AN ULTIMATE ACHIEVEMENT OF THE GOOD LIFE IN THE MORE DISTANT FUTURE. The required reading will include the more important Utopias from Plato to the present time supplemented by certain great satires on man and society and works in the field of the social sciences. Class meetings will be devoted in part to a consideration of the texts and in part to symposia in which members of the staff and guest speakers will discuss with one another and with the students the major difficulties that lie in the way of attaining world peace, prosperity, and happiness. In place of a final examination each student will write a serious term paper in which, within the frame of her own conception of the good life, she will treat of that aspect of the problem which she is best equipped to handle.

Open to juniors and seniors and specially qualified sophomores on written permission of the department. The course may count toward a major in philosophy and in other subjects with the consent of the departments concerned. F., 3-5. 4 or 6 points. [0]

PROFESSORS PARKHURST and RICH with the collaboration of MR. SMITH and guest speakers.

MEDIEVAL STUDIES

1-2. AN INTEGRATED STUDY OF MEDIEVAL CULTURE FROM THE ASPECTS OF FINE ARTS, HISTORY, LANGUAGE, LITERATURE, AND PHILOSOPHY, focusing for

each student on one or more special subjects. Each student will be assigned to a tutorial adviser under whose direction she will pursue a special program of work consisting of such attendance at lectures, individual conferences with members of the faculty, reading, special research, visits to museums, etc., as may seem best for her needs, and making full use of the resources of the University and of the city. Full-year course.

Open to qualified seniors on written permission of the chairman of the committee in charge. Written application must be made before April 15 on forms to be obtained at the Registrar's office. Students wishing to apply must have taken two of the following courses or their equivalents: English 49, 50; Fine Arts 51, 52; History 17, 18; Italian 19; Philosophy 61. If admitted, they must take two more of these courses parallel to Medieval Studies 1-2. History 17, 18 must be one of those taken, either preceding or parallel. 6 points. MEMBERS OF THE DEPARTMENTS OF ENGLISH, FINE ARTS, FRENCH, GERMAN, HISTORY, ITALIAN, and PHILOSOPHY under the direction of a committee. Chairman for 1947-48, PROFESSOR STURTEVANT.

Relation to major.

Medieval Studies may be counted toward a major in the departments concerned on a variable basis subject to the approval of the departments and the Committee on Medieval Studies.

Related courses—Not required.

For students who desire a more complete integration of the various aspects of the medieval period, the Committee on Medieval Studies suggests that one or another of the following courses would be especially appropriate in connection with Medieval Studies, according to the primary interest of the individual student: English 53, 54, English 57, Fine Arts 156, French 7, German 45 [not given in 1947-48], Music 23-24, Philosophy 145 [not given in 1947-48].

RENAISSANCE STUDIES

1-2. AN INTEGRATED STUDY OF THE ORIGINS OF THE MODERN ERA AS FOUND IN THE FIFTEENTH AND SIXTEENTH CENTURIES IN EUROPE, FROM THE ASPECTS OF FINE ARTS, HISTORY, LITERATURE, AND PHILOSOPHY, focusing for each student on one or more special subjects. A reading course with a tutorial adviser for each student, culminating in a report or essay on the student's special subject. Full-year course.

Open to juniors and seniors on written permission of the committee in charge. Students should take parallel to Renaissance Studies 1-2 at least two additional courses from the following list. Hours to be arranged. 6 points.

English 61, 62. Shakespeare. PROFESSOR LATHAM.

English 65, 66. English Poetry from Spenser to Milton. PROFESSOR HALLER.

Fine Arts 62. Italian Renaissance Sculpture. PROFESSOR LAWRENCE.

Fine Arts 65. Italian Renaissance Painting. PROFESSOR HELD.

Fine Arts 66. Renaissance Painting in Northern Europe. PROFESSOR HELD.

French 31, 32. The Renaissance in France. PROFESSOR —————.

[Not given in 1947-48.]

Greek 11. Plato: *Apology*; Euripides (one play). PROFESSOR DAY.
History 17, 18. Medieval Civilization and the Renaissance. PROFESSOR BYRNE.
Italian 19, 20. Italian Civilization. PROFESSOR CARBONARA.
Latin 12. Horace. PROFESSOR DAY.
Latin 22. Juvenal and Martial. PROFESSOR HIRST.
Music 1-2. A Survey of Music. PROFESSOR MOORE.
Philosophy 61-62. The History of Philosophy. PROFESSORS MONTAGUE and RICH and (spring session) T. V. SMITH.

MEMBERS OF THE DEPARTMENTS OF ENGLISH, FINE ARTS, FRENCH, HISTORY, ITALIAN, MUSIC, and PHILOSOPHY under the direction of a committee. Chairman for 1947-48, PROFESSOR HELD.

ANTHROPOLOGY

GLADYS A. REICHARD, Ph.D.,¹ Associate Professor of Anthropology,
Executive officer

A major in anthropology will satisfy the requirement in Group III. Students majoring in this subject must satisfy the 14-point requirement in Group II in subjects other than anthropology. For other students, courses in anthropology will count toward the group requirement as indicated for each course by the statement made in connection with the point value.

A major in anthropology. Students majoring in anthropology will be required to take: (a) a comprehensive examination in three parts of which one will be in language, the other two according to the work pursued by the individual student, and (b) the following courses in

Anthropology. Courses 1, 2, or 3, 4.

Other fields. A reading knowledge of German, and courses which will vary with the special interest of the student and must be arranged in consultation with the major department.

[1. INTRODUCTION TO ANTHROPOLOGY. *Not given in 1947-48.*]

2. INTRODUCTION TO ANTHROPOLOGY. Physical relationships, language and customs of New World tribes. Their contribution to civilization, theories of origin and development.

Open to all excepting freshmen. Tu., 9-11, Th. at 9. 4 points in Group III.
 [6]

PROFESSOR REICHARD.

[3, 4. INTRODUCTION TO COMPARATIVE ANTHROPOLOGY. Problems of race; the growth of civilization; the historical development of industries, forms of art, society and religion. The application of anthropological data to modern social problems; the development of reason; the emotional attitudes determining behavior; the influence of patterns determining lines of thought and action; the individual and society.

¹ On leave winter session.

Courses 1, 2 and 3, 4 are ordinarily given in alternate years.

Open to all excepting freshmen. Either half of this course may be taken separately. 8 points in Group II. Not given in 1947-48.]

PROFESSOR REICHARD.

6. INTRODUCTION TO LINGUISTICS. The meaning of language and its relationship to thought and to behavior. The dependence on language of cultural forms including literature, with examples from Spanish, French, and German. Intensive analysis of modern languages.

Especially recommended for foreign students and students interested in language and linguistic problems. W., 3-5. (Hours may be changed to suit students registering for the course.) 2 points in Group I. [10]

PROFESSOR REICHARD.

[7, 8. THE STUDY OF UNWRITTEN LANGUAGES. Intensive study of exotic languages. Relationship of language to social and political problems.

Open only on written permission of the instructor. 4 points in Group I. Not given in 1947-48.]

PROFESSOR REICHARD.

[13. PRIMITIVE SOCIAL LIFE. Tribal and family organization and its reflections on marriage customs, political purpose and territorial expansion: prestige, property, wealth, inheritance, position of women, education; birth, puberty and funeral customs; the relation of the individual to his environment and comparison of modern and primitive societies.

Open to all juniors and seniors and to specially qualified students on written permission of the instructor. 3 points in Group III. Not given in 1947-48.]

PROFESSOR REICHARD.

14. MAN AND THE SUPERNATURAL. Primitive religion: the effect of religion on motivations and behavior of people with emphasis on practical and administrative problems of native peoples (Africa, Asia, and the Pacific Islands, North and South America). Rationalistic and emotional factors in religious life. The relationship of religion to other phases of culture. Theories of origins and development.

Open to all juniors and seniors and to specially qualified students on written permission of the instructor. 3 points in Group III. Tu. at 2, Th. at 1-3. [9]

PROFESSOR REICHARD.

[17. PROBLEMS OF RACE. The meaning of race: biological, linguistic, economic, social, religious, political. The nation and the melting-pot. Composition and distribution of world populations and their significance. Change in populations due to heredity, environment, migration. The basis of prejudice.

Open to sophomores, juniors, and seniors. 3 points in Group III. Not given in 1947-48.]

PROFESSOR REICHARD.

[51. SEMINAR: THE NAVAJO INDIANS. Phases of Navajo organization and discussion of attitudes; special attention to contact with whites and Department of Indian Affairs.

2 points in Group III. Not given in 1947-48.]

PROFESSOR REICHARD.

52. SEMINAR: PROBLEMS IN ANTHROPOLOGY. The specific subject for discussion will be determined by the interests of the students electing the course.

Open only to students who have had at least one course in anthropology and with the written permission of the instructor. May be taken two years in succession. 2 points in Group III. Hours to be arranged.

PROFESSOR REICHARD.

[107. TRADITIONAL LITERATURE. Primitive literature in the old and new worlds. Form and content of tradition: the proverb, riddle, folk tale, myth, fairy tale, romance, adventure, novel, verse, and song. Types of character and plot. Mythological styles defined. This course aims to acquaint students with valuable material which is not generally known, and to consider mythological theories.

Open to all juniors and seniors and to specially qualified students on written permission of the instructor. 3 points in Group I. Not given in 1947-48.]

PROFESSOR REICHARD.

[108. THE ART OF PRIMITIVE MAN. Control of technic; geometrical and representative design. Art of various groups defined. A study of proportion, of design, line and mass; of rhythm, symmetry and balance; of color. The attitude of the artist and of the social group. Theories of art.

Open to all juniors and seniors and to specially qualified students on written permission of the instructor. 3 points in Group I. Not given in 1947-48.] [9]

PROFESSOR REICHARD.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Faculty of Political Science.

ARCHAEOLOGY

See Fine Arts and Archaeology and Greek and Latin

ASTRONOMY

JAN SCHILT, Ph.D.,¹ Rutherford Professor of Astronomy,
Executive officer

*1-2. GENERAL ASTRONOMY. This course leads to an understanding of our knowledge concerning the structure of the solar system and the sidereal universe. Full-year introductory course.

Tu. and Th. at 11. 428 Pupin. 6 points.

PROFESSOR SCHILT.

¹ Officer of Columbia University offering a course open to Barnard students.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Faculty of Pure Science. Students wishing to continue work in astronomy should note the prerequisites for the advanced courses and plan their work accordingly.

BOTANY

CORNELIA L. CAREY, Ph.D., Associate Professor of Botany,
Executive officer

ROBERT N. STEWART, Ph.D., Assistant Professor of Botany

VICTOR R. LARSEN, JR., A.M., Instructor in Botany

A major in botany. Students majoring in botany will be required to take:

Botany. Courses 51-52, 53-54 or 55-56 and such other courses, subject to the approval of the department, as meet the particular needs and purposes of each student. Only one of the two courses, 57 and 60, may be counted toward a major.

Other fields. Other courses according to the special needs of the student.

Major students are permitted to use a limited space in the greenhouse for practical work in plant propagation.

51-52. GENERAL BOTANY. Full-year course.

A portion of the laboratory work is conducted in the greenhouse and occasional field trips are required.

Lectures: Tu. and Th. at 9 and Th. at 1. Laboratory (4 hours): Tu. and Th., 10-12 or 2-4, or, if more than 60 students elect the course, M. and W., 1-3. 10 points. [6]

PROFESSORS CAREY and STEWART, MR. LARSEN and MISS FRANZ.

51a-52a. GENERAL BOTANY. Lectures identical with those of 51-52. No laboratory work. Full-year course.

To follow or parallel: a laboratory science. Tu. and Th. at 9 and Th. at 1. 6 points in Group II. [6]

PROFESSOR CAREY and STAFF.

[53-54. GENERAL MORPHOLOGY OF PLANTS. Full-year course.

Prerequisite, Course 51-52 or the equivalent. Occasional field trips are required. 8 points. Not given in 1947-48.]

MR. LARSEN.

55-56. STRUCTURE AND RELATIONSHIPS OF FLOWERING PLANTS. Full-year course.

Prerequisite, Course 51-52 or the equivalent. M. and W. at 11. Laboratory (4 hours): M. and W., 1-3. 6 points. [3]

PROFESSOR STEWART.

57. THE HISTORY AND USES OF PLANTS. The place of plants in the biological picture; their utilization and significance to man.

This course does not satisfy the requirement of a laboratory science. Lectures: M. and W. at 9. Demonstrations, conferences, and trips: Th., 1-3. 3 points. [1]

MR. LARSEN.

58. GENERAL PLANT PHYSIOLOGY.

Prerequisite, Course 51-52. Lectures: Tu. and Th. at 11. Laboratory (6 hours): Tu., 2-5 and Th., 1-5, in so far as possible. 5 points. [8]

PROFESSOR CAREY.

59. GENETICS. Mendelian principles of heredity, sex determination and differentiation, genetic control of development.

Prerequisite, a year of college work in either botany or zoölogy except on written permission of the instructor. Lectures: M. and W. at 3. Laboratory or conference (4 hours): M. and W., 4-5, F., 3-5. 4 points. [10]

PROFESSOR STEWART.

60. PLANT CULTURE. Theoretical discussions and practical work on plant propagation.

No previous knowledge of botany is required. This course does not satisfy the requirement of a laboratory science. Open only on written permission of the instructor. Lecture: M. at 4. Laboratory (4 hours) M. 3-4. F. 1-4. 3 points. [10]

PROFESSOR STEWART.

62. MICROTECHNIQUE. Lecture and laboratory work in the theory and practice of fixing, sectioning and staining plant material.

Prerequisite, Botany 51-52. Lecture: M. at 11. Laboratory (4 hours): M. and W., 1-3. 3 points. [3]

MR. LARSEN.

64. GENERAL BACTERIOLOGY.

Open only to science majors of junior or senior standing. Lectures: Tu. and Th. at 10. Laboratory (6 hours) to be arranged, preferably on Tu. and Th., 2-5. 5 points. [7]

PROFESSOR CAREY and MISS MOUCHA.

[68. CYTOLOGY. Study of the nucleus and chromosomes, their structure and behavior considered in relation to taxonomic and genetic problems. Emphasis in the laboratory will be upon rapid smear technics and photomicrography.

Prerequisite, Botany 59. Open to qualified juniors and seniors. 5 points. Not given in 1947-48.]

PROFESSOR STEWART.

151-152. BACTERIA AND FERMENT FUNGI. *Winter session:* General laboratory technic in bacteriology. *Spring session:* Pathogenic forms, foods, and standard

methods of milk and water analysis. Lectures will include the chemistry of bacteria and immunity. Full-year course.

Prerequisite, at least a year of college work in either botany or zoölogy. Preceding or parallel, organic chemistry. Open only to properly qualified juniors and seniors. Lectures: M. and W. at 1. Laboratory (6 hours): M. and W., 9-12 or 2-5, or hours to be arranged. 10 points. [4]

PROFESSOR CAREY and MISS MOUCHA.

160. PHYSIOLOGICAL MICROBIOLOGY. General physiology of micro-organisms. Reading and reports on contemporary literature. Technic and cultivation of various groups adapted to the needs of students.

Open only on written permission of the instructor. Lectures (2 hours) and laboratory (4 to 6 hours) to be arranged. 3, 4, or 5 points.

PROFESSOR CAREY.

161, 162. ADVANCED MORPHOLOGY AND PHYSIOLOGY. Work will be planned to suit the needs of the students after consultation with the instructors.

This course may be taken in successive years. Hours and credit by arrangement. [0]

PROFESSORS CAREY and STEWART.

CHEMISTRY

HELEN R. DOWNES, Ph.D., Associate Professor of Chemistry,
Executive officer

EDWARD J. KING, Ph.D., Assistant Professor of Chemistry
EMMA D. STECHER, Ph.D., Assistant Professor of Chemistry
JUDITH BREGMAN, A.B., Instructor in Chemistry
GRACE W. KING, A.B., Lecturer in Chemistry
ARDIS M. PAUL, M.A., Lecturer in Chemistry

A major in chemistry. Students majoring in chemistry will be required to take:

Chemistry. Courses 5-6, 63, 64, and 41-42. Course 105 is strongly advised.

Other fields. Physics—a year's work in general physics. *Mathematics 1* and 22. A course in calculus is advised. A reading knowledge of German to be acquired by the beginning of the third year's work. A reading knowledge of French is also advised.

1-2. GENERAL INORGANIC CHEMISTRY. Full-year course (*primarily for freshmen*).

Lectures: Tu. and Th. at 10 and a third hour, S. at 10 or F. at 1. Laboratory: M., W. or Th., 2-4:30. 8 points. [7]

PROFESSOR DOWNES, MRS. KING and assistant.

1A-2A. GENERAL INORGANIC CHEMISTRY. Lectures identical with those of 1-2. No laboratory work. Full-year course.

Prerequisite, preceding or parallel: a laboratory science. Tu. and Th. at 10 and F. at 1. 6 points. [7]

PROFESSOR DOWNES and MRS. KING.

5-6. GENERAL INORGANIC CHEMISTRY. This course is intended for students whose high school chemistry fits them for a more advanced treatment of inorganic chemistry. A qualifying test will be given at beginning of term to students electing this course.

Lectures: Tu. and Th. at 10 and F. at 1. Laboratory: Tu., 2-4:30. 8 points. [7]

PROFESSOR KING and MISS PAUL.

63, 64. QUALITATIVE AND QUANTITATIVE ANALYSIS.

Prerequisite, Course 1-2 or 5-6. Preceding or parallel, Mathematics 1 and 22. Laboratory deposit, \$10 each session. Lectures: M., W. and F. at 10. Laboratory (6 hours): M. and W., 1-4 or Tu., 2-5 and Th., 1-4. 12 points. [2]

MISS BREGMAN and MISS PAUL.

65. ANALYTICAL CHEMISTRY, SHORT COURSE.

Prerequisite, Course 1-2 or 5-6. Laboratory deposit, \$12.50. This course is intended for students who are not chemistry majors. Lectures: M., W. and F. at 11. Laboratory (6 hours) Tu. and Th., 9-12. 6 points. [3]

MISS BREGMAN.

[67, 68. QUANTITATIVE ANALYSIS, ADVANCED COURSE.

Prerequisite, Course 63, 64. Laboratory deposit, \$12.50 each session. This course is designed to meet the needs of individual students and will be given for a class of five or more. 8 points. Not given in 1947-48.]

MISS BREGMAN.

41-42. ORGANIC CHEMISTRY. Full-year course.

Prerequisite, Course 1-2 or 5-6 and, except on written permission of the department, Course 63, 64. Laboratory deposit, \$12.50 each session. Lectures: M., W. and F. at 9. Laboratory (a minimum of 6 hours): M. and W., 2-5 or Tu. and Th., 9-12. 12 points. [1]

PROFESSOR STECHER and assistant.

41a. ORGANIC CHEMISTRY, SHORTER COURSE.

Prerequisite, Course 1-2 or 5-6. Laboratory deposit, \$15. This course will be given for a class of five or more. Lectures: M., W. and F. at 9. Laboratory (a minimum of 6 hours): Tu. and Th., 2-5. 6 points. [1]

PROFESSOR DOWNES and assistant.

105, 106. PHYSICAL CHEMISTRY.

Prerequisite, Courses 63, 64, 41-42; Physics 11-12 and a course in calculus. Laboratory deposit, \$15 each session. Lectures: M., W. and F. at 10. Laboratory (a minimum of 6 hours): Tu. and Th., 9-12. 12 points. [2]

PROFESSOR KING.

145, 146. ORGANIC CHEMISTRY, ADVANCED COURSE.

Prerequisite, Courses 1-2 or 5-6, 63, 64, 41-42. Laboratory deposit, \$15 each session. Lectures: M., W. and F. at 1. Laboratory (a minimum of 6 hours): Tu. and Th., 2-5. 12 points. [4]

PROFESSOR STECHER.

150. PHYSIOLOGICAL CHEMISTRY.

Prerequisite, Courses 63, 64, 41-42; Zoölogy 1-2. Zoölogy 97-98 is strongly recommended as a parallel course. Laboratory deposit, \$15. Lectures: M., W. and F. at 11. Laboratory (6 hours): Tu. and Th., 2-5. 6 points. [3]

PROFESSOR DOWNES.

157, 158. PROBLEMS IN CHEMISTRY. Lectures, conferences, and laboratory work on advanced topics in organic or inorganic chemistry, or micro-analysis.

Open only to advanced students. Laboratory deposit, \$15 each session. Hours and credit by arrangement.

PROFESSORS DOWNES, KING and STECHER.

CHINESE

**Chinese* 101-102. Elementary Chinese. PROFESSOR GOODRICH.

**Chinese* 103-104. Second year Chinese. PROFESSOR GOODRICH.

**Chinese* 105-106. Classical Chinese. PROFESSOR WANG.

These and other courses in Chinese language, history, and culture are open to qualified Barnard students in special cases. A description of these courses will be found in the Announcement of the Faculty of Philosophy.

CLASSICAL CIVILIZATION

See Greek and Latin

DRAMA

For the student who is particularly interested in dramatic literature and its development—both historical and technical—the following courses are recommended. Details regarding them may be found on the pages noted.

The attention of the student who wishes to obtain a knowledge of the collateral development and interrelationship of the drama in England and on the continent is directed to Group B.

For a more intensive study of certain dramatists and their works and influence, courses in Group C should be elected, after a study of some phase of the development of the drama.

For students interested in modern drama, Group D, some knowledge of preceding development is desirable.

The writing of plays and work on the stage as author, director, and actor, as in Group E, invests the student with some technical knowledge of the structure and production of plays and the problems which arise from the stage and the conventions of certain periods.

(Note. Except where specified, all texts are read in their original tongues.)

GROUP A—THE CLASSICAL DRAMA

[*Greek* 21. Greek Tragedy. DR. SWALLOW. See page 88. *Not given in 1947-48.*]

[*Greek* 22. Greek Comedy: Two plays of Aristophanes. DR. SWALLOW. See page 89. *Not given in 1947-48.*]

[*Archaeology* 71. The Greek and Roman Theater. PROFESSOR BIEBER. See page 87. *Not given in 1947-48.*]

GROUP B—THE HISTORY OF THE DRAMA

English 57, 58. The Development of English Drama. PROFESSOR LATHAM. See page 67.

German 25, 26. The Drama of the Nineteenth Century. MRS. STABENAU. See page 81.

GROUP C—DRAMATISTS

English 61-62. Shakespeare. PROFESSOR LATHAM. See page 67.

German 5, 6. Lessing, Goethe, and Schiller. PROFESSOR PUCKETT. See page 81.

[*German* 36. Goethe's Faust. PROFESSOR PUCKETT. See page 82. *Not given in 1947-48.*]

GROUP D—MODERN DRAMA

Spanish 22. Contemporary Spanish Literature. PROFESSOR DEL RÍO. See page 127.

GROUP E—PLAY WRITING

English 14. Writing for Radio. MR. TEICHMAN. See page 65.

English 15, 16. Play Writing. PROFESSOR LATHAM. See page 65.

[*English* 81. Dramatic Workshop. —————. See page 66. *Not given in 1947-48.*]

English 83, 84. Radio Workshop. MR. MCGILL. See page 66.

Wigs and Cues, the Barnard dramatic club, offers opportunities for experience in directing, acting, stagecraft, and producing.

The Columbia University Radio Club offers opportunities for broadcasting experience over the local station CURC.

ECONOMICS

ELIZABETH FAULKNER BAKER, Ph.D., Associate Professor of Economics,
Executive officer

RAYMOND J. SAULNIER, Ph.D.,¹ Associate Professor of Economics

CLARA ELIOT, Ph.D., Associate in Economics

JANET SUNDELSON, M.A., Instructor in Economics

A major in economics. Students majoring in economics will be required to take:

Economics 1, 2, 13 or 14, 17, and 27 or 28.

Other social sciences. In view of the essential unity of the social sciences every student majoring in economics is required to take courses amounting to

¹ On leave 1947-48.

12 points in two of the following departments, as selected in conference with her adviser: anthropology, geography, government, history, philosophy, psychology, religion, sociology.

A major in economics and sociology. Students majoring in economics and sociology will be required to take:

Economics 1, 2, 13 or 14, 17, 27 or 28; Sociology 1-2 and 31, 32 and at least one additional course in economics or in sociology. Only one introductory course may count toward the major.

Other social sciences. See requirement stated above.

A major in economics and government. Students majoring in economics and government will be required to take:

Economics 1, 2, 13 or 14, 17, 27 or 28; Government 1, 2, 3, 4, and at least one additional course in government.

Other social sciences. See requirement stated above.

See also *American Studies*, page 42.

See also *Area Studies*, page 42.

See also *International Relations*, page 45.

1, 2. INTRODUCTORY ECONOMICS. *Winter session:* The functions of an economic system; economic institutions and how they work (corporations, the stock market, the monetary and banking system, social security, labor unions); private enterprise and the role of the government in policing, directing, or stimulating the economy; the record of our economy in achieving "stability," "full employment," "efficiency in the use of resources," and "equity in the distribution of income." *Spring session:* Economic principles as a guide to policy under competition and monopoly. Economic analysis applied to problems of foreign trade, taxation, and fiscal policy, public ownership and economic planning. Private enterprise as compared to some of its modifications or alternatives ("planned economy," Socialism, Communism, Fascism).

Open to students of all classes. Course 1 is prerequisite for Course 2. M., W. and F. at 10 (I), at 2 (II); Tu. and Th. at 11 and Th. at 1 (III); also, for freshmen only, M., W. and F. at 9 (IV). Each section should, if possible, be limited to 30 students. 6 points. [18]

PROFESSOR BAKER, DR. ELIOT, and MRS. SUNDELSON.

✓ 4. ECONOMIC PROBLEMS OF THE CONSUMER. How well does our economic order serve us as *consumers*? Can standards of living be raised? Special problems such as consumer credit, budgeting, standards and grade labeling, housing, medical care, advertising, style and fashion, "fair price" laws, lessons of price-control and rationing. Protection of the consumer by the government, by consumer organizations. The coöperative movement. Field trips to testing laboratories, housing projects, coöperative centers, etc.

Term paper. Tu. and Th. at 2. Field trips Tu. afternoons. 3 points. [9]

DR. ELIOT.

13, 14. DEVELOPMENT OF CAPITALIST INSTITUTIONS. A survey of the development of our present economic society, with special emphasis on western

Europe and on the United States. *Winter session:* The genesis of capitalist forms in ancient and medieval Europe. Technological and economic changes in the eighteenth and nineteenth centuries. The development of those financial institutions, forms of business enterprise, and technics of private and governmental control characteristic of capitalism in twentieth-century Europe. *Spring session:* The development of the American economy from colonial times. Early American mercantile capitalism. Industrial and finance capitalism in the nineteenth and twentieth centuries. Structural changes in the economy: types of production, employment, and industrial organization. The impact of two world wars on the American economy.

Open to all excepting freshmen. Tu. and Th. at 11 and a third hour to be arranged. 6 points. [8]

MRS. SUNDELSON.

15. FISCAL POLICY AND ECONOMIC PLANNING. The economics of planning, with reference to the experience of particular countries. The role of fiscal policy in relation to full employment, inflation, and reducing inequality in the distribution of national income and wealth. Critical analysis of our present tax, expenditure, and debt systems, including a discussion of federal, state and local fiscal relations. Analysis of current fiscal proposals.

Prerequisite, Course 1 or the equivalent. Tu. and Th. at 9 and a third hour to be arranged. 3 points. [6]

MRS. SUNDELSON.

16. INTERNATIONAL ECONOMIC POLICY. International monetary and trade problems. The mechanism and theory of international exchange. The breakdown of the international trading system, with particular reference to the position of the United States and Britain in the world economy. Current experiments in international economic planning: the International Monetary Fund and the International Bank for Reconstruction and Development, the Economic and Social Council of the United Nations, etc.

Prerequisite, Course 1 or the equivalent. Tu. and Th. at 9 and a third hour to be arranged. 3 points. [6]

MRS. SUNDELSON.

17, 18. INTRODUCTION TO STATISTICAL ANALYSIS. *Winter session:* The gathering of statistical data; tabulation; graphic presentation; simpler methods of summarization and comparison. The normal curve, sampling, and unreliability. Statistical fallacies. Illustrations from various sciences. Possibilities and limitations of the statistical method. *Spring session:* Index numbers; analysis of time-series; correlation; analysis of variance.

Open to all excepting freshmen. Course 17 or the equivalent is prerequisite for Course 18. (Course 18 counts in Group II unless taken as part of a major in economics or sociology, in which case it may count toward that major, and the 14-point requirement in Group II must be satisfied in other subjects.) Tu. and Th. at 10 and a laboratory hour to be arranged. 6 points. [7]

DR. ELIOT.

19. **LABOR ECONOMICS AND LABOR PROBLEMS.** An introduction to the analysis of the problems of labor in the American private-enterprise system: composition of the labor force; unemployment and the struggle for economic and social security; wages and their determination, wage-payment plans and job evaluation, the guaranteed annual wage, the minimum wage; hours; minority groups; labor organization and the ideal of "democracy in industry"; scientific management and modern personnel administration.

Prerequisite, Course 1 and preferably Course 2 or the equivalent. This course is recommended for students interested in personnel work. M., W. and F. at 10. 3 points. [2]

PROFESSOR BAKER.

20. **LABOR UNIONISM AND LABOR RELATIONS.** Historical attempts of British and American organized labor to improve the social and economic status of working people; union structure and union government; the struggle between the A.F.L., the C.I.O. and the independent unions; management organization in industrial relations; collective bargaining in action; results and effects of collective bargaining; collective bargaining and public policy; conciliation, mediation and arbitration. What is the way toward industrial peace?

Prerequisite, Course 1 and preferably Courses 2 and 19 or the equivalent. This course is recommended for students interested in personnel work. M., W. and F. at 10. 3 points. [2]

PROFESSOR BAKER.

21. **CORPORATION FINANCE AND INVESTMENT.** An introduction to the development and present nature of financial and business organization with respect to the investor, the worker, the consumer, and the economy as a whole. The nature and function of corporate securities in capital formation, promotion, and capitalization. The meaning and uses of financial statements. The principles and practices of investment are studied in connection with a class project which includes following the financial sections of the newspapers and observing the attempt of the Securities and Exchange Commission to protect investors.

Prerequisite, Course 1. Given in alternate years. M., W. and F. at 3. 3 points. [10]

PROFESSOR BAKER.

22. **BUSINESS ENTERPRISE AND PERSONNEL ADMINISTRATION.** The business organization as a going concern dealing with its problems of marketing, production, finance, personnel and labor-management relations. The rôle of the government in the regulation of business enterprise on behalf of stockholders and bondholders, workers, and consumers.

Prerequisite, Course 1 and preferably Courses 2 and 21 also. This course is recommended for students interested in personnel work. Given in alternate years. M., W. and F. at 3. 3 points. [10]

PROFESSOR BAKER.

27. ECONOMIC THEORY. Neo-classical economic theory modified by recent elaboration and criticism. Neo-classical tools of analysis are discussed from the point of view of their historical development, final form, and modern use. The theory of imperfect and monopolistic competition is considered part of the neo-classical system; and contemporary statements of alternative systems of economic thought form the basis of a brief comparative study emphasizing the possible integration of old and new.

Prerequisite, Course 1, 2. M., W. and F. at 11. 3 points. [3]

28. COMPARATIVE ECONOMIC THEORY. The development of economic thought since 1776. Special attention will be paid to heretics such as Malthus, Marx, George, Veblen, Hobson, Commons, Mitchell, Keynes, *et al.* An attempt will be made to describe the impact of each upon the conventional economic thought of his time, as well as to compare his theory with the latest refinements of neo-classical economics. Readings will be assigned in the authors' original works and in commentaries on these works. Standard histories of economic thought will be used for reference purposes.

Prerequisite, Course 1. M., W. and F. at 11. 3 points. [3]

29. STATISTICAL RESEARCH. Special problems in social science selected with reference to the interest of the individual student. The emphasis is on the application of methods in actual statistical investigation, in the field when practicable, rather than on acquisition of further theory or technic. In 1947-48 there will be an opportunity for field work in connection with the research program of the Research Committee on Intergroup Relations.

Prerequisite, Course 17 and the written permission of the instructor. Hours to be arranged. 3 points.

DR. ELIOT.

[41, 42. READINGS IN CURRENT ECONOMIC PROBLEMS. An introduction to a broad range of current literature bearing mainly on economic but necessarily also on social and political issues. Readings will relate to the main problems raised by transition from a war to a peace economy. So far as possible the subject matter will be selected to meet the special interests of the students.

Open to juniors and seniors who have had Course 1. 6 points. Not given in 1947-48.]

PROFESSOR SAULNIER.

51, 52. ECONOMICS SEMINAR.

Open to senior majors. Reading, reports and discussion. Tu., 3-5. 6 points. [0]

MEMBERS OF THE DEPARTMENT.

[61, 62. STUDIES IN ECONOMICS. Selected topics and books, and/or a term paper. The student will select her instructor according to the subject of her special interest.

This course may be taken only in connection with some other course in economics. 2 points. Not given in 1947-48.]

MEMBERS OF THE DEPARTMENT.

[*ECONOMICS 157, 158. FINANCIAL INSTITUTIONS. A study of the functioning of the principal public and private agencies comprising the financial system of the United States, and of corporate financial policies, from the viewpoint of their relation to the flow of money payments and the process of capital formation.

Open to seniors. Prerequisite, Course 1, 2 and at least two other courses in economics. 6 points. Not given in 1947-48.]

PROFESSOR SAULNIER.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Faculty of Political Science. The following are specially recommended as suitable for Barnard seniors:

*Economics 101-102. Public Finance. PROFESSOR HAIG. 6 points.

*Economics 161. The Regulation of Public Utilities. PROFESSOR BONBRIGHT. 3 points.

*Statistics 201-202. Economic Statistics. PROFESSOR MILLS. 6 points.

*Economics b135R. Structure of the American Economy. PROFESSOR SHOUP. 3 points.

COLUMBIA COLLEGE COURSES

The following course is recommended as suitable for qualified Barnard students:

*Statistics 3-4. Statistical Methods and Their Applications. PROFESSOR CROXTON. 6 points.

EDUCATION

Courses in education will not satisfy the 14-point requirement in any group.

Note. Barnard College students will not be allowed to take, in any one year, more than six points in education courses.

†Ed. 51ES and 54ES. EDUCATION SEMINAR FOR SENIORS. *Winter session: (51ES):* An introduction to the problems of education as a profession, aiming to give prospective teachers an understanding of important elements in good teaching and including a study of underlying educational points of view and their historical development in America; the wider culture as it affects education; and the major fields of organized knowledge. *Spring session (54ES):* Observation and participation in some near-by secondary school. A minimum of five periods of actual participation a week is required. The problems of teaching and learning arising from the participation experience will be discussed in the seminar sessions.

Prerequisite, Courses Psychology 1 (or 2R), Psychology 19, and Education 207A. Tu. at 2 and Th., 2-4. 6 points.

————— (51ES), PROFESSOR WOODRING (54ES).

Other courses offered at Teachers College are open under certain conditions to specially qualified seniors with the consent of the Committee on Instruction of Barnard College and the instructor. These courses include methods of teaching elementary and high school subjects, including observation and participation. For further information the students should consult the Associate Dean of Barnard College.

ENGLISH

WILLIAM HALLER, Ph.D.,¹ Professor of English
 MINOR W. LATHAM, Ph.D., Professor of English
 W. CABELL GREET, Ph.D., Professor of English,
Executive officer

ELIZABETH REYNARD, B.Litt. (Oxon.), Associate Professor of English

JAMES L. CLIFFORD, Ph.D.,² Professor of English

ETHEL STURTEVANT, A.M., Assistant Professor of English

LORNA F. MCGUIRE, Ph.D., Assistant Professor of English

DAVID A. ROBERTSON, JR., Ph.D., Assistant Professor of English

MARY MORRIS SEALS, Associate in English

FRANCES K. MARLATT, A.M., J.D., Associate in English

JOHN A. KOUWENHOVEN, A.M., Associate in English

ANNIS SANDVOS, A.M., Instructor in English

FRENCH R. FOGLE, A.M., Instructor in English

MARGARET C. HONOUR, M.A. (Oxon.), Instructor in English

AILEEN WARD, A.M., Instructor in English

EARLE MCGILL, A.B., Lecturer in English

ELEANOR HYDE, A.M., Lecturer in English

HOWARD TEICHMAN, A.B., Lecturer in English

GLORIA MANDEVILLE, A.B., Lecturer in English

A major in English. Every student graduated as a major in English is expected to have read with understanding a considerable number of the principal authors of English literature. She should be able to write and speak effectively, and she should possess some knowledge of the English language from an analytical or historical point of view. While fulfilling these general requirements a student may give special attention to a field of English Literature, to American Literature, to Writing, Speech, or Drama. A list of fields and advisers may be obtained from the department office.

The Major Examination consists of three parts: (I) History of the English Language, including a reading knowledge of Anglo-Saxon or Middle English, and English Medieval Literature; (II) English Literature before 1700 with special reference to Shakespeare and Milton; (III) English and American Literature since 1700.

Students who are giving special attention to Writing or Speech will be excused from one part of the examination if they meet certain conditions. For these see *Writing*, p. 63, or *Speech*, p. 64.

¹ Absent on leave, spring session.

² Officer of Columbia University giving instruction in Barnard College.

See also *American Studies*, page 42, *Medieval Studies*, page 46, *Renaissance Studies*, page 47.

INTRODUCTORY COURSE

A1-A2. WRITING, READING, AND SPEAKING. Practice in composition and discussion, reading of literature, contemporary and classical, with conferences to meet the need of the individual student. Full-year course.

Prescribed for freshmen and prerequisite for any other course except Courses 21-22 and 27, 28, which are recommended to be taken parallel to A1-A2. Students not thoroughly accustomed to the use of English should consult MR. KOUWENHOVEN before registering for this course. M., W. and F. at 9 (Ia); M., W. and F. at 10 (IIa, b, c); M., W. and F. at 11 (IIIa, b); M., W. and F. at 1 (IVa, b); M., W. and F. at 2 (Va, b); Tu., Th. and S. at 10 (VIa, b); Tu., Th. and S. at 11 (VIIa, b). 6 points. [0]

PROFESSORS MCGUIRE and ROBERTSON, MR. KOUWENHOVEN, MISSES SANDVOS, HONOUR, WARD, and HYDE, and MR. FOGLE.

WRITING

General prerequisite, Course A1-A2. To elect any course in Writing, a student must secure the written permission of the instructor in charge.

An English major giving special attention to Writing must pass 18 points of courses in Writing with an average grade of at least B. In consultation with her adviser at the beginning of the senior year, she will select two parts of the Major Examination. In one of these she will write a well-composed, well-organized critical essay on a literary topic of considerable scope.

1, 2. EXPOSITION: STRUCTURE AND STYLE. A course designed for students who need and desire additional training in assembling and expounding facts. Special emphasis on the preparation and presentation of expository articles, professional reports, and critical analyses. Training in summarizing and condensing material from organizations, committees, or technical experts. Précis-writing, briefs, and forensics.

Tu. and Th. at 10 and Th. at 2. 6 points. [0]

MR. FOGLE.

5, 6. ADVANCED COMPOSITION. In the tradition of such writers as Emerson, Arnold Bennett, Mark Twain, and Katherine Mansfield, the members of the class will keep daily journals and work up the material in frequent papers. Thus the course, in addition to the daily practice in expository, descriptive, and narrative writing, will train students to assemble and to organize this material for formal presentation in articles and fiction.

M. at 2 and W., 1-3. 6 points. [0]

MR. KOUWENHOVEN.

7, 8. THE SOURCES FOR CREATIVE WRITING. A study of the sources used by selected writers for novels, biographies, short stories, essays, and poetry. Each

student will be given an opportunity to acquire source material of her own and will be assisted in using such sources in original writing.

Tu. and Th. at 2 and a third hour to be arranged. 6 points. [0]

PROFESSOR REYNARD.

11, 12. STORY WRITING. This course is in effect rather a writers' group than a course. It is aimed to provide for interested and gifted students an opportunity to practice the art of writing and to profit by the criticism of an audience trained and similarly minded. It is clinical in its method, and the subject matter is adjusted to the capacities and requirements of the individuals within the group. While emphasis is usually upon the philosophy and technic of fiction, other forms of current professional writing are considered whenever students so desire.

Courses recommended as parallel: English 69, 70; Philosophy 45, 46. Tu., 4-6 and a third hour to be arranged. 6 points. [0]

PROFESSOR STURTEVANT.

14. WRITING FOR RADIO. Preparation of radio scripts. Writing of original shows and adapting of other material for broadcasting.

Prerequisite: Course 83 or a grade of at least B in 6 points of courses in Writing. Open to all qualified juniors and seniors on the written permission of the executive officer of the department. Enrollment limited to 18; preference will be given to students who have had or are taking Course 84 M., 4-6. 2 points. [0]

MR. TEICHMAN.

15, 16. PLAY WRITING. The primary intention is not to train playwrights, but to give insight into drama as a mode of expression. Critical study of plays in text and in production on the New York stage. Improvisation, dramatization, writing of original sketches, pantomimes, and plays. Stage trial of all work by members of the class.

M. at 3 and W., 3-5. 4 or 8 points. [0]

PROFESSOR LATHAM.

[81. DRAMATIC WORKSHOP. Problems of dramatic interpretation and production.

1 point. Not given in 1947-48.]

83, 84. RADIO WORKSHOP.

4 points. See page 66.

MR. MCGILL.

SPEECH

An English major giving special attention to Speech must pass, with an average grade of at least B, Courses 15-16 (4 points), 21-22, 23-24, 25-26, 27-28, 41-42. Courses 14, 57, 58, 59, 60, 83, 84, and Psychology 1 are recommended. Of the Major Examination she will take Part I (with emphasis on the history of the language), either Part II or Part III (with emphasis on drama), and in addition a special oral examination in phonetics and the mechanics of voice.

D1-D2. SPEECH. This required course gives the student an opportunity to discover the importance of effective speech and voice production. Each student will examine a recording of her own voice and confer concerning her individual needs and the means of effecting improvement. Full-year course.

Prescribed for all new students. A lecture and a conference in the winter session and a conference in the spring session. Voice recordings made in the conferences. Requirement for graduation. No points credit. [0]

PROFESSOR GREET, MRS. SEALS, and MISS SANDVOS.

✓ 21-22. VOICE AND DICTION. A basic course in the fundamentals of speech and voice production designed to aid each student in acquiring clear speech, a pleasing voice, reasonable self-assurance, and the ability to make herself understood at all times. *Winter session:* Voice exercises, phonograph and dictaphone recordings, phonetic drills. *Spring session:* Principles of reading aloud, with special reference to phrasing and inflection. Full-year course.

Open to all students. M., W. and F. at 11 (I), at 1 (II). 4 points. [0]

MRS. SEALS and MISS SANDVOS.

23-24. ORAL INTERPRETATION OF LITERATURE. The study and oral presentation of different types of English literature. *Winter session:* Ballads, lyrics, dramatic verse and prose. *Spring session:* Practical experience in story telling, in choral reading, and in radio work. Full-year course.

Prerequisite, Course 21-22. Tu. at 2 and Th., 2-4. 4 points. [0]

MRS. SEALS.

25-26. SPEECH CORRECTION. The study of specific speech problems resulting from psychological and physiological causes. Practical experience will be afforded in clinical work. Full-year course.

Open to juniors and seniors on written permission of the instructor. Tu. and Th. at 9 and a laboratory hour to be arranged. 6 points. [6]

MRS. SEALS, DR. ALSOP, PROFESSORS GREGORY and LOWTHER.

✓ 27, 28. PUBLIC SPEAKING. Training in the delivery of prepared and extemporaneous speeches and in leading and participating in panel and round-table discussions. Technics of argumentation and debate. Analysis of important speeches. Parliamentary procedure.

Open to all students. W., 3-5. 4 points. [0]

DR. MARLATT.

41-42. ANGLO-SAXON AND THE HISTORY OF THE ENGLISH LANGUAGE.

6 points. See page 66.

PROFESSOR GREET.

14. WRITING FOR RADIO.

2 points. See page 64.

MR. TEICHMAN.

15, 16. PLAY WRITING.

PROFESSOR LATHAM.

4 or 8 points. See page 64.

[81. DRAMATIC WORKSHOP.

1 point. Not given in 1947-48.]

83, 84. RADIO WORKSHOP. Students produce radio shows, directing, acting, announcing, and supplying sound-effects. Members of the group may submit radio scripts for criticism and possible production.

Open to qualified juniors and seniors on written permission of the executive officer of the department. Course 83 is prerequisite for Course 84. Limited to 25 students. S., 10-12:30. CBS Studio Building, 49 East 52nd Street. 4 points.

MR. MCGILL.

WIGS AND CUES, the college dramatic club, offers practical training and experience in speech, acting, and directing.

The local radio station CURC offers to those students interested in radio announcing and acting opportunity for experience in these special fields.

LANGUAGE AND LITERATURE

41-42. ANGLO-SAXON AND THE HISTORY OF THE ENGLISH LANGUAGE. This course is designed to give the scholarly background that is necessary for studies in English usage, oral and written. After an introduction to English phonetics, the class hours are divided between (1) a linguistic and literary study of Anglo-Saxon, including source materials of early English history, Old English lyrics, the *Beowulf*; and (2) the Genesis of American English, the history of words, pronunciation, and structure in the light of literary tradition and linguistic science.

Not open to freshmen. M. and F. at 11 and a third hour to be arranged. 6 points. [3]

PROFESSOR GREET.

49, 50. MEDIEVAL FICTION. Comparative study in translation of the masterpieces of western Europe from the beginnings through the thirteenth century. *Winter session:* The literature of Iceland, Irish medieval literature, English literature of the Anglo-Saxon period, the *Nibelungenlied*, the *Song of Roland*. *Spring session:* The romances of King Arthur; Tristan; the Grail; the *Romance of the Rose*; the short tale in verse and prose; the lives of the saints; the cycle of Reynard the Fox.

Recommended as preceding or parallel courses: English 53, 54; Fine Arts 51, 52; French 7; German 51; History 17, 18; Philosophy 145-146. Tu. and Th. at 11 and a third hour to be arranged. 4 or 6 points. [8]

PROFESSOR STURTEVANT.

53, 54. CHAUCER AND HIS TIMES. The language and the literature of England in the later Middle Ages and early Renaissance. *Winter session:* Chaucer's *Canterbury Tales* and *Troilus and Criseyde*. *Spring session:* *Gawain and the Green Knight*, *Piers Plowman*, and other poems of the fourteenth and fifteenth centuries.

Course 53 is prerequisite for Course 54. M., W. and F. at 9. 6 points. [1]

PROFESSOR GREET.

57, 58. DEVELOPMENT OF ENGLISH DRAMA FROM ITS ORIGINS TO THE EIGHTEENTH CENTURY. Miracle plays, moralities, interludes, early English comedy, Senecan tragedies, chronicle history plays, Marlowe, Shakespeare, Ben Jonson, the Jacobean drama, and the Restoration drama.

Course 57 is prerequisite for Course 58. M., W. and F. at 10. 6 points. [2]

PROFESSOR LATHAM.

[59, 60. MODERN ENGLISH DRAMA. A study of the stage and the drama from the eighteenth century to the present. Ballad operas; bourgeois tragedy and its influence on the continental drama; sentimental comedy; the patent theatres and the actor managers. Nineteenth-century dramas; Ibsen; W. B. Yeats and the Irish school of playwrights; contemporary English and American playwrights.

6 points. Not given in 1947-48.]

PROFESSOR LATHAM.

61, 62. SHAKESPEARE. All the plays and the poems are read, though only the more important in class, as an introduction to the meaning, scope, and greatness of the poet as expressed in structure, language, style, and versification.

Course 61 is prerequisite for Course 62. M., W. and F. at 1. 6 points. [4]

PROFESSOR LATHAM.

[63, 64. ENGLISH LITERATURE OF THE RENAISSANCE. Sir Thomas More and the English humanists; court poets of Henry VIII; the university wits; Elizabethan prose.

6 points. Not given in 1947-48.]

65, 66. ENGLISH POETRY FROM SPENSER TO MILTON. The chief English poets, their themes, forms, and theories concerning poetry. *Winter session*: Spenser, the Elizabethan lyrists, Donne and the metaphysical poets. *Spring session*: Milton, with supplementary readings in the Bible and Dante's *Divine Comedy* in English.

M., W. and F. at 2. 6 points. [5]

PROFESSOR HALLER and MR. FOGLE.

67, 68. ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY. The principal authors from Dryden to the end of the eighteenth century, studied in relation to the thought of the period; analysis of the changing patterns in critical and esthetic theory and practice; interrelationship between literature and other arts.

Tu. at 9 and Tu. and Th. at 11. 6 points. [8]

PROFESSOR CLIFFORD.

69, 70. THE NOVEL. The novel as an art form in process of development and as a document of social change. *Winter session*: A comparative study of the contemporary novel in England, the United States, and the continent of Europe. *Spring session*: The novel in English in the eighteenth and nineteenth centuries, with some consideration of contemporaneous Russian masterpieces.

Tu. and Th. at 10 and a third hour to be arranged. 6 points. [7]

PROFESSOR STURTEVANT.

71, 72. ENGLISH LITERATURE FROM BLAKE TO BYRON. The poetry and poetic theories of Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats. The prose of Scott, Lamb, Hazlitt, and De Quincey.

Tu. at 2 and Th., 2-4. 6 points. [9]

MISS WARD.

73, 74. ENGLISH LITERATURE FROM 1837 TO 1901. The poetry of Tennyson, Browning, and Arnold. Literary comment on developments in the period: industry, politics, science, education, religion. Carlyle and Ruskin. Theories of art: Rossetti, Morris, Pater. Swinburne. Poets of the *fin de siècle*.

M., W., and F. at 11. 6 points. [3]

PROFESSOR ROBERTSON.

✓ 76. TWENTIETH CENTURY AMERICAN POETS: WILLIAM VAUGHAN MOODY TO HART CRANE. Study of the work of representative poets, including Moody, Robinson, Frost, Sandburg, Stevens, Eliot, MacLeish, and Crane. Each student will prepare a substantial essay on a modern American or English poet whose work is not considered in class.

Open to qualified sophomores, juniors, and seniors on written permission of the instructor. 3 points. Th., 2-4. [9]

MR. KOUWENHOVEN.

77, 78. AMERICAN LITERATURE. A study of American literary and cultural development from the colonial period to the present with special emphasis on certain great figures: Emerson, Hawthorne, Melville, Whitman, Dickinson, Poe.

Tu. and Th. at 10 and a third hour to be arranged. 4 or 6 points. [7]

PROFESSOR REYNARD.

91, 92. SPECIAL READING. Under the immediate guidance of the instructor the student plans and follows a program of reading which will supplement and coördinate her work in other courses. Each section becomes a literary group engaged in writing and discussing critical essays.

Recommended for major students especially in the junior year; not open to other students; may be taken two years in succession. Registration in each section is limited and requires written permission of the executive officer of the department. Students who elect this course in their junior year and change their major later will receive only half credit.

Section I, especially for students reading in the renaissance and in the eighteenth and nineteenth centuries.

Tu., 3-5. 4 points. [0]

PROFESSOR ROBERTSON and MR. FOGLE.

Section II, especially for students reading in the seventeenth century and in the romantic and modern periods.

W., 3-5. 4 points. [0]

PROFESSOR MCGUIRE.

Section III, especially for students reading in the medieval period and in the seventeenth and eighteenth centuries.

Th., 3-5. 4 points. [0]

MISS HONOUR.

HISTORY 11, 12. THE HISTORY OF ENGLAND. The development of English institutions, characteristics, and ways of living with particular reference to language and literature; the relation of English to American civilization. *Winter session*: The Norman Conquest to the Restoration; medieval beginnings, Tudor nationalism, the Puritan Revolution. *Spring session*: The Restoration to 1914; the ruling class and the empire, the American, French, and Industrial Revolutions, the Victorian age.

Open to all excepting freshmen. Tu. and Th. at 2 and a conference hour to be arranged. Recommended for English majors. 4 or 6 points. [9]

PROFESSOR HALLER.

FINE ARTS AND ARCHAEOLOGY

MARGARETE BIEBER, Ph.D., Associate Professor of Fine Arts and Archaeology

MARION LAWRENCE, Ph.D., Associate Professor of Fine Arts,

Executive officer

JULIUS HELD, Ph.D., Assistant Professor of Fine Arts

MARIANNA BYRAM, A.M., Associate in Fine Arts

JANE GASTON-MAHLER, A.M., Associate in Fine Arts

ROBERT GOLDWATER, Ph.D., Lecturer in Fine Arts

A major in fine arts. Students majoring in fine arts will be required to take:

Fine arts. Courses 41, 51, 52, 62, 65, 66, 75, 76, 97-98 and other courses to be arranged in consultation with the department.

Other fields. A reading knowledge of French, German, or Italian. Students planning to do graduate work must have German and one other modern language. Courses in history, literature, languages, philosophy, or other fields which will vary with the special interest of the student and must be arranged in consultation with the major department.

See also *Medieval Studies*, page 46, and *Renaissance Studies*, page 47.

FINE ARTS

I-2. INTRODUCTION TO THE STUDY OF FINE ARTS. A general study of esthetic problems as preparation for a more detailed study of the fine arts. This will include a discussion of the major problems of artistic expression and their solution in the fields of architecture, sculpture, and painting together with a consideration of the relation of art forms to certain great periods of European culture. Full-year course.

Intended primarily for freshmen and sophomores but open to new transfers, and to juniors and seniors on written permission of the department. Tu. and Th. at 10. 4 points. [7]

PROFESSOR LAWRENCE.

41. ANCIENT ART. An introductory study of the art of Egypt, Mesopotamia, Persia, Greece, and Rome. Emphasis will be laid upon the development of Greek archaic and classical sculpture and painting in Athens in the sixth and fifth centuries.

Open to all excepting freshmen. History 5, 6 is recommended as a parallel course. M., W. and F. at 10. Conferences and visits to the Metropolitan Museum of Art, F. at 10 or at hours to be arranged. 3 points. [2]

PROFESSOR BIEBER.

[46. ROMAN ART. Introduction to the origin and development of Roman art, covering in some detail architecture and Pompeian wall-painting with special emphasis on sculpture, historical relief, and portraiture.

Open to all excepting freshmen. History 5, 6 is recommended as a parallel course. 3 points. Not given in 1947-48.]

PROFESSOR BIEBER.

51, 52. MEDIEVAL ART. An introductory study of the origin and development of Christian art in Europe through the early Christian, Byzantine, Carolingian, Romanesque, and Gothic periods. In the first semester the emphasis is on the development of style and iconography, especially as illustrated by mosaics and illuminated manuscripts. In the second semester special attention will be given to the Romanesque and Gothic architecture and sculpture of France.

Open to juniors and seniors. History 17, 18 is recommended as a parallel course. Course 51 is prerequisite for Course 52. M., W. and F. at 2. Conferences and visits to the Metropolitan Museum of Art, F. at 2 or at hours to be arranged. 6 points. [5]

PROFESSOR LAWRENCE.

62. ITALIAN RENAISSANCE SCULPTURE. The historical development of Italian sculpture from the late medieval period through Bernini. Special attention will be given to the genius of the Renaissance as expressed in the work of Donatello and Michelangelo.

Open to juniors and seniors and to sophomores who have had Course 65. M., W. and F. at 10. Visits to the Metropolitan Museum of Art. 3 points. [2]

PROFESSOR LAWRENCE.

65. ITALIAN RENAISSANCE PAINTING. The stylistic and iconographic development of Italian painting from the thirteenth to the middle of the sixteenth century with detailed study of Giotto, Masaccio, Leonardo, Raphael, and Michelangelo.

Open to all excepting freshmen. Tu. and Th. at 11 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art. 3 points. [8]

PROFESSOR HELD.

66. RENAISSANCE PAINTING IN NORTHERN EUROPE. The history and development of painting in the Flemish, Dutch, French, and German schools from the end of the Gothic period through the sixteenth century. Emphasis will be put on Van Eyck, Van der Weyden, Bosch, Bruegel, Dürer, and Grünewald.

Open to all excepting freshmen. Tu. and Th. at 11 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art. 3 points. [8]

PROFESSOR HELD.

67. PRINTS AND DRAWINGS. The history and technic of the graphic arts and drawings as illustrated in the work of the principal artists from the beginning of the fifteenth century to modern times.

Prerequisite, Course 65, or 66 or 75, 76. M., W. and F. at 11 in 511 Schermerhorn and a fourth hour to be arranged at the Metropolitan Museum of Art. 4 points. [3]

MISS BYRAM.

72. ARCHITECTURE AND SCULPTURE SINCE THE RENAISSANCE. The first part of the course will be devoted to the main architectural developments from the Italian Renaissance to the present day. Particular attention will be given to the United States of America in the nineteenth and twentieth centuries. The last part of the course will be a study of the significant achievements in the field of sculpture from the French Renaissance to modern times.

Open to all excepting freshmen. Tu. and Th. at 10. Conferences and visits to the Metropolitan Museum of Art, Th. at 1 or at hours to be arranged. 3 points. [7]

MISS BYRAM.

75, 76. EUROPEAN PAINTING SINCE THE RENAISSANCE. The development of painting in Europe from the sixteenth century to the present with emphasis on those trends which are most significant in the evolution of modern painting. The artists to whom special attention will be given are Michelangelo, Tintoretto, El Greco, Velasquez, Rubens, Poussin, and Rembrandt; Watteau, David, Delacroix, Daumier, the Impressionists, Cézanne, Van Gogh, and subsequent modern trends.

Open to all excepting freshmen. Course 75 is prerequisite for Course 76. Tu. and Th. at 2 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art. 6 points. [9]

PROFESSOR HELD and MISS BYRAM.

78. AMERICAN PAINTING. The development of painting in America from the eighteenth and nineteenth centuries to the present day with special emphasis on the contemporary period.

Open to all excepting freshmen. Th., 3-5. 2 points.

DR. GOLDWATER.

91, 92. ORIENTAL ART. The first semester will deal with the arts of Persia, India, and Indonesia, temples, palaces, sculpture, miniature painting and frescoes, and minor arts. The second semester will be concerned primarily with the arts of China and Japan, with attention given to central Asiatic art as it affects these countries. Chinese bronzes, Buddhist art and the great painting and porcelain of the Sung period will be stressed, while in Japan Buddhist architecture and sculpture, and the later scrolls, screens and prints will be studied.

Open to all excepting freshmen. Either half of this course may be taken separately. M., W., F. at 11. Conferences and visits to the Metropolitan Museum of Art, F. at 11 or at hours to be arranged. 6 points. [3]

MRS. GASTON-MAHLER.

97-98. SEMINAR FOR MAJORS. Special work planned in each case to supplement and coördinate the student's other courses in fine arts and to provide an opportunity for the study of basic principles as well as specific problems in a chosen field.

Required of all majors in their senior year. 6 points. Tu., 3-5. [0]

PROFESSOR LAWRENCE assisted by the other members of the department.

For courses in esthetics, see Philosophy 41 and 45, page 109.

TECHNICAL COURSES

Studio courses can count toward the degree only if taken parallel to a theoretical or historical course in fine arts.

*G.S. DRAWING 1-2. CREATIVE DESIGN, DRAWING, AND PAINTING. This foundation course is planned to develop an understanding and appreciation of the principles of creative design as applied to the visual arts. Through personal supervision, the student is guided in the actual practice of drawing and painting. The course includes analytical discussion of the great art epochs. Full-year course.

Course 1 is prerequisite for Course 2, except on written permission of the instructor. Special fee, \$30 each session and model fee, \$5 each session. M. and Th., 1-3 (I), 3-5 (II). East Hall. 4 points.

MR. MANGRAVITE.

Other studio courses given at Columbia University may be taken by written permission of the department. These are described in the Announcement of the Faculty of Philosophy. For courses in mechanical drafting consult Professor Lawrence.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Faculty of Philosophy. The following are specially recommended as suitable for Barnard seniors:

*Archaeology 100. Introduction to Ancient Archaeology. PROFESSOR DINSMOOR. 3 points.

*Fine Arts 101. German Theory and Criticism of Fine Arts. PROFESSOR BIEBER. 3 points.

*Fine Arts 141. Ancient Architecture. PROFESSOR SWIFT. 3 points.

*Fine Arts 143A. Greek Painting. PROFESSOR BIEBER. 3 points.

*Fine Arts 146. Roman Art. PROFESSOR BIEBER. 3 points.

**Fine Arts* 148B. Culminating Period of Greek Sculpture. PROFESSOR BIEBER. 3 points.

**Fine Arts* 155. Romanesque Architecture. PROFESSOR SCHAPIRO. 3 points.

**Fine Arts* 156A. Romanesque Sculpture. PROFESSOR SCHAPIRO. 3 points.

**Fine Arts* 171. Art of the Baroque Period. PROFESSOR HELD. 3 points.

**Fine Arts* 176. Modern Painting and Sculpture. PROFESSOR SCHAPIRO. 3 points.

**Fine Arts* 191, 192. The Art of Asia (Middle and Far East). MRS. GASTON-MAHLER. 6 points.

FRENCH

FRÉDÉRIC G. HOFFHERR, BèS L.,¹ Professor of French,
Executive officer

ANDRÉ MESNARD, A.M., Assistant Professor of French

ISABELLE DE WYZEWA, Ph.D., Associate in French

HELEN PHELPS BAILEY, A.M., Instructor in French

ALICE R. BENNETT, A.M., Instructor in French

HELEN CARLSON, A.M., Lecturer in French

JANET DOWLING, A.M., Lecturer in French

ELEANOR WALKER, A.M., Lecturer in French

TATIANA GREENE, A.M., Lecturer in French

A major in French. Unless they receive special permission from the department, students majoring in French will be required to take:

French. Courses 7, 8 (8 points), 11, 12 or 41, 42; 15, 16 or 17, 18; 21-22 and at least two of the literature courses dealing with the most important periods of French literary history (XVIth, XVIIth, XIXth, XXth centuries) and other courses to be arranged in consultation with the department. Only two courses in the intermediate group may be counted in the major. The introductory language courses, 1-2, 3, 4, 4R, cannot so count.

Other fields. Courses which will vary with the special interest of the student and should be arranged in consultation with the major department.

See also *Medieval Studies*, page 46, and *Renaissance Studies*, page 47.

INTRODUCTORY COURSES

1-2. INTRODUCTORY FULL-YEAR COURSE. Grammar, reading, composition. M., Tu., W., Th. and F. at 9 (I); M., Tu., W., Th. and F. at 11 (II). 8 points. [14]

PROFESSOR MESNARD and MRS. GREENE.

3, 4. INTERMEDIATE COURSE. Review of grammar and syntax. Translation from and into English, reading, free composition.

Prerequisite, Course 1-2 or two years of high school French. M., W. and F. at 2 (I) and (II); Tu., Th. and S. at 9 (III) and (IV). 6 points. [14]

PROFESSOR MESNARD, MISS DOWLING and MRS. GREENE.

¹ Absent on leave spring session.

4R. INTERMEDIATE COURSE. PART II. The equivalent of *Course 4*.

Prerequisite, Course 3 or three years of high school French. M., W. and F. at 2. 3 points. [14]

MISS WALKER.

5, 6. DISCUSSION AND COMPOSITION BASED ON READINGS IN FRENCH LITERATURE, WITH OCCASIONAL PRACTICE IN TRANSLATION. A study based on prose and poetry of the nineteenth century. Discussion in French of texts read. Free composition and grammar review. Practice in both intensive and extensive reading.

Prerequisite, Course 3, 4 or three years of high school French. M., W. and F. at 9 (I), at 11 (II); Tu., Th. and S. at 11 (III). 6 points. [14]

MISS BENNETT, MISS CARLSON and MRS. GREENE.

5R. CONVERSATION AND COMPOSITION BASED ON READINGS IN FRENCH LITERATURE, WITH OCCASIONAL PRACTICE IN TRANSLATION. The equivalent of *Course 5*.

Prerequisite, Course 4 or 4R. M., W. and F. at 1. 3 points. [4]

DR. DE WYZEWA.

✓ 5x, 6x. PRACTICAL COURSE IN SIGHT READING AND PREPARED TRANSLATION. Texts chosen to develop ease and accuracy in handling a variety of styles and subjects: historical, philosophical, artistic, scientific, as well as literary prose. Especially intended for students wishing to prepare for the foreign language test in French and majors in other subjects who need to understand and translate French texts for reference purposes.

Prerequisite, Course 3, 4 or three years of high school French. M., W. and F. at 9 (I), at 10 (II), at 11 (III), at 1 (IV). 6 points. [14]

DR. DE WYZEWA, MISS BENNETT and MISS DOWLING.

5xR. PRACTICAL COURSE IN SIGHT READING AND PREPARED TRANSLATION. The equivalent of *Course 5x*.

Prerequisite, Course 4 or 4R. M., W. and F. at 1. 3 points. [4]

MRS. BAILEY.

✓ 7, 8. MASTERPIECES OF LITERATURE FROM THE MEDIEVAL PERIOD TO THE TWENTIETH CENTURY. Lectures in French on the history of French literature, recitations, free composition, and reports on outside reading.

Prerequisite, a grade of at least B in Course 4 and the written permission of the department or a high rating in three years of high school French. 4 points: Lecture only, Th. at 1 and outside reading consisting of the assignments given in the 8-point divisions. Open to properly qualified juniors and seniors. Cannot count toward a major.

Or 6 points: Class meetings only, M., W. and F. at 9 (II) and at 10 (III), with modified requirements in reading and composition. Students who may subsequently wish to count the 6 points toward a French major may do so by additional work equivalent to 2 extra points.

Or 8 points: Lecture, Th. at 1 and class meetings, M., W. and F. at 10 (I). This course is required of students majoring in French and may be counted toward the major. [14]

DR. DE WYZEWA and MRS. BAILEY.

[9, 10. REVIEW OF GRAMMAR AND COMPOSITION. Intended primarily for those registered in literature courses who desire a rapid review of grammar and syntax.

Open to students of all classes on written permission of the instructor. Limited to 10 students. 4 or 6 points. Not given in 1947-48.]

LANGUAGE COURSES¹

[11, 12. PRACTICE AND THEORY OF FRENCH PHONETICS. Study of French articulation and intonation, general phenomena covering the spoken language, recitation, and reading aloud. Phonograph records of the pronunciation of each student will be made from time to time for the purpose of correcting or testing individual progress.

Open to students only on written permission of the instructor. Limited to 20 students. 6 points. Not given in 1947-48.]

15, 16. ADVANCED COMPOSITION. Translation of English texts into French, weekly themes, periodical reports on outside reading.

Open to qualified students with the written permission of the department. Limited to 15 students. Tu. and Th. at 10 and a third hour to be arranged. 6 points. [7]

PROFESSOR MESNARD.

[17. ADVANCED TRANSLATION AND COMPOSITION. Texts will be chosen to illustrate various epochs and diversity of style and subject. Composition based on the translated texts with exercises on grammar and vocabulary.

Open only on written permission of the instructor. 3 points. Not given in 1947-48.]

19-20. ORAL FRENCH, INTERMEDIATE FULL-YEAR COURSE. Pronunciation, recitation, conversation based on selected readings.

Limited to 20 students. Prerequisite, Course 5 or the equivalent and the written permission of the department. M. and W. at 1 (I), at 2 (II), and a conference period to be arranged. 4 points.

PROFESSOR MESNARD and MRS. BAILEY.

41-42. ORAL FRENCH, ADVANCED FULL-YEAR COURSE. Discussion and reports on contemporary French subjects and practice in lyric and dramatic interpretation.

Limited to 10 students. Prerequisite, Course 19-20 or the equivalent and the written permission of the instructor. W. and F. at 2, and a conference period to be arranged. 4 points. [5]

MRS. BAILEY.

LITERATURE COURSES

Students are reminded that the ability to use French both in speaking and in writing is considered a general requirement for all literature courses.

Course 7, 8 is prerequisite for all literature courses.

¹ All courses are conducted entirely in French.

13, 14. THE REGIONAL FRENCH NOVEL. A study of the life and art of several French provinces based on recent novels.

Open to juniors, seniors, and qualified sophomores on written permission of the instructor. Limited to 15 students. M., W. and F. at 2. 4 or 6 points. [5]

MISS BENNETT.

21-22. FRENCH LITERATURE IN THE SEVENTEENTH CENTURY. A study of the most significant works of the principal writers of the period with special emphasis on the French Classical Drama. Full-year course.

M., W. and F. at 10. 6 or 8 points. [2]

PROFESSOR HOFFHERR.

23. FRENCH LITERATURE IN THE NINETEENTH CENTURY. A study of representative works of the romantic movement with notes on the arts of the period.

Open to juniors and seniors on written permission of the instructor. M., W. and F. at 10. 3 or 4 points. [0]

25, 26. HISTORY OF THE FRENCH NOVEL. A study of the development of French culture, thought, ideals, and literary technic as reflected in the most representative novels of each period, from the Middle Ages to 1939.

M., W. and F. at 1. 6 points. [4]

DR. DE WYZEWA.

[27, 28. HISTORY OF THE FRENCH DRAMA. General survey of the development of the French drama from its origin to the present time; the most representative plays of the different periods.

4 or 6 points. Not given in 1947-48.]

PROFESSOR HOFFHERR.

[31, 32. THE RENAISSANCE IN FRANCE. Readings illustrative of humanism, neo-platonism, and the "new learning" in science and the arts. A study of the international aspects of intellectual life during the Renaissance.

Open to juniors and seniors. 6 points. Not given in 1947-48.]

33, 34. HISTORY OF FRENCH CIVILIZATION. General survey of the development of French civilization from the Roman conquest to the Revolution; the political, artistic, literary, and scientific activities of the French people in the formation of their national life and their contribution to human progress.

Open to juniors, seniors, and qualified sophomores, and to freshmen on written permission of the instructor. M. and W. at 11. 4 or 6 points. [3]

PROFESSOR HOFFHERR.

[34a. HISTORY OF FRENCH CIVILIZATION FROM THE REVOLUTION TO MODERN TIMES. The political, artistic, literary, and scientific activities of the French people in the formation of their national life and their contribution to human progress.

Prerequisite, Course 33, 34 or the equivalent. 2 points. Not given in 1947-48.]

PROFESSOR MESNARD.

[35, 36. FRENCH LITERATURE IN THE EIGHTEENTH CENTURY. The chief essayists, novelists, and dramatists of the period in their most significant works and letters.

Prerequisite, Course 21-22 or the written permission of the department. 6 points. Not given in 1947-48.]

DR. DE WYZEWA.

39-40. SPECIAL READING. Intended primarily for French majors. Students will be given a program of supervised reading, helping them to coördinate their work in other French courses. Discussions and reports.

M. and W. at 2.4 points. [5]

MEMBERS OF THE DEPARTMENT.

[125. CONTEMPORARY FRENCH LITERATURE. Three predecessors of contemporary French poetry: Gérard de Nerval, Ch. Baudelaire and A. Rimbaud. Analysis of significant works.

Open to qualified seniors on written permission of the instructor. 3 or 4 points. Not given in 1947-48.]

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Faculty of Philosophy.

Qualified seniors may be authorized to take some of the courses offered by the Ecole Libre des Hautes Etudes.

GEOLOGY AND GEOGRAPHY

FLORRIE HOLZWASSER, Ph.D., Assistant Professor of Geology

HENRY S. SHARP, Ph.D., Associate Professor of Geology,

Executive officer

———, Instructor in Geography

A major in geology. Students majoring in geology may not count courses in geography toward the 28 points required in their major field. Advanced courses in geology and courses in other fields of science must be arranged in consultation with the major department and may vary somewhat in accordance with the interest and purpose of the student. Majors in geology are urged to take a well-balanced program in the humanities and by their senior year to take a Rocky Mountain field course such as *Geology 5179*—Geology of the Rocky Mountains—offered in Wyoming each summer by Columbia University.

A major in geography. Students majoring in geography are required to take *Geography 1-2, 3, 10*, and *Geology 1, 2, 5, 27, 28*; other courses in the related fields of anthropology, economics, and history are to be selected after consultation with the major department and may vary somewhat in accordance with the interests and purpose of the student.

GEOGRAPHY

1-2. ECONOMIC GEOGRAPHY. Consideration of man's geographic background—weather, climate, oceans, and landforms; his adaptation to this background and his utilization of natural resources; study of maps and map projections. Intended to be of use to students of history, economics, and sociology, and of earth sciences.

Tu. and Th. at 9 and Th. at 1. 6 points in Group II or III. [6]

PROFESSOR HOLZWASSER.

3. THE GEOGRAPHY OF SOUTH AMERICA. A study of the position, climate, relief, and natural resources of the continent and its constituent countries.

M., W. and F. at 10. 3 points in Group II or III. [2]

PROFESSOR HOLZWASSER.

10. METEOROLOGY. The fundamentals of modern meteorology: the atmosphere, its composition, height, and properties; temperature, pressure, humidity, and related weather elements; atmospheric circulation; climates of the earth. Special emphasis upon problems and regions of present importance.

M., W. and F. at 10. 3 points in Group II. [2]

PROFESSOR HOLZWASSER.

12. NATURAL RESOURCES. The nature, distribution, and use of the leading minerals and mineral fuels of the United States are considered. Soil, water, forest, wild life, and fishery resources are likewise discussed. The international aspects of strategic mineral problems are reviewed.

3 points in Group II or III. M., W. and F. at 11. [3]

PROFESSOR HOLZWASSER.

GEOLOGY

Students wishing to fulfill Group II requirements in the field of geology are advised to take Courses 1, 2, and 28.

1. PHYSICAL GEOLOGY. *Courses 1 and 2* are planned to give students knowledge of the earth as the most important physical factor in their background. *Course 1* covers the composition and structure of the earth, the internal and external forces acting upon it, and the surface features resulting. The laboratory includes several field trips, study of common rocks and minerals, and intensive study of contour maps as means of depicting topography. *Course 1* makes a good unit for students taking other sciences and wishing to gain some knowledge of the content of geology. Those wishing to become familiar with topographic maps are also advised to take this course.

With Course 2 it satisfies the laboratory science requirement in Group II. Lectures: Tu. and Th. at 11, Th. at 1. Laboratory (4 hours): M. and W., 2-4 or Tu. and Th., 9-11 or 2-4. 5 points in Group II. [8]

PROFESSOR SHARP and MRS. KNOX.

2. HISTORICAL GEOLOGY. Important steps in the history of the earth and of the life upon it from the beginning to modern times are emphasized. The laboratory includes a Planetarium visit, study of invertebrate fossils and of geologic

maps and structures, museum trips for the study of vertebrate fossils, short field trips, and, if conditions permit, a required two-day weekend trip.

Prerequisite, Course 1. Lectures: Tu. and Th. at 11, Th. at 1. Laboratory (4 hours): M. and W., 2-4 or Tu. and Th., 9-11 or 2-4. 5 points. [8]

PROFESSOR SHARP and MRS. KNOX.

1a. PHYSICAL GEOLOGY. Lectures identical with those of *Geology 1*. No laboratory work. *To follow or parallel a laboratory science. Should not be elected by students expecting to take further work in geology. Tu. and Th. at 11, Th. at 1. 3 points in Group II. [8]*

PROFESSOR SHARP.

2a. HISTORICAL GEOLOGY. Lectures identical with those of *Geology 2*. No laboratory work. *Prerequisite, Course 1 or 1a. To follow or parallel a laboratory science. Should not be elected by students expecting to take further work in geology. Tu. and Th. at 11, Th. at 1. 3 points in Group II. [8]*

PROFESSOR SHARP.

5. THE GEOLOGIC AND GEOGRAPHIC DEVELOPMENT OF EUROPE. A study of the position, climate, relief, geology, and natural resources of the continent and its constituent countries. This course should be of value to students of European history and government.

M., W. and F. at 11. 3 points in Group II or III. [3]

PROFESSOR HOLZWASSER.

[7. ELEMENTS OF MINERALOGY. The sight recognition and uses of the common minerals and rocks. Laboratory work in the identification of minerals by their physical properties and by simple chemical and blowpipe methods. A brief introduction to the use of microscopic methods in mineral studies is included. Emphasis on minerals of economic importance and widespread occurrence. 3 points. *Given in alternate years. Not given in 1947-48.*]

15. PALEONTOLOGY. The study of selected fossil specimens from all major geologic epochs and from most divisions of the plant and animal kingdoms. The principles of evolution and scientific nomenclature and the development of man's knowledge of plants and animals of the past.

Prerequisite, Courses 1 and 2; no prerequisite for botany or zoölogy majors. Tu. and Th. at 11. Tu., 2-4. 3 points. Given in alternate years. [8]

PROFESSOR HOLZWASSER.

[19. STRUCTURAL GEOLOGY. Lectures, readings and problems on folds, faults, and other geologic structures, and on geologic maps and sections. One or more voluntary field trips.

Prerequisite, Courses 1 and 2 or the equivalent. 3 points. Courses 19 and 27 are ordinarily given in alternate years. Not given in 1947-48.]

PROFESSOR SHARP.

27. THE ORIGIN OF LANDFORMS. Lectures, map study, and readings on the principles of geomorphology. The origin and evolution of surface features of

the earth as controlled by the interaction between geologic structures and erosional processes. One or more voluntary field trips.

Prerequisite, Courses 1 and 2 or the equivalent. M., W. and Th. at 2. 3 points. Courses 19 and 27 are ordinarily given in alternate years. [5]

PROFESSOR SHARP.

28. TOPOGRAPHIC DIVISIONS OF THE UNITED STATES. Lectures, map study, and readings on the 25 fundamental natural regions of the United States. This course should be of value to students majoring in government, history, economics, the natural sciences, and others wishing to understand the regional aspects of the United States, or expecting to travel within its boundaries. One or more voluntary field trips.

Prerequisite, Courses 1 and 2; may be taken concurrently with 2. Not open to freshmen. With the instructor's permission juniors and seniors may take this without Course 2. Alternates with a similar course on Europe. M., W. and Th. at 2. 4 points. [5]

PROFESSOR SHARP.

30. ADVANCED PHYSICAL GEOLOGY. A seminar course with discussions, problems, and readings on various topics in geology.

Prerequisite, Courses 1 and 2 and 19 or 27. Open to juniors and seniors. Tu., 2-4. 3 points. Third hour to be arranged. [9]

PROFESSOR SHARP.

GERMANIC LANGUAGES AND LITERATURES

HUGH WILEY PUCKETT, Ph.D., Professor of German,
Executive officer

LOUISE G. STABENAU, A.M., Associate in German

CLARE BALLUFF, A.M., Lecturer in German

MARIE LEDERMANN, A.M., Lecturer in German

A major in German. Students majoring in German will be required to take: *German. Courses 9, 10, 36, 45, 46, 51 and other courses to be arranged in consultation with the department.*

Other fields. Courses which will vary with the special interest of the student and must be arranged in consultation with the major department.

See also *Medieval Studies*, page 46.

INTRODUCTORY COURSES

1-2. BEGINNERS' FULL-YEAR COURSE. Elements of grammar, easy reading, written and oral practice.

Students who take Course 1-2 must also take Course 01-02.

M., W. and F. at 9 (I), at 11 (II); Tu. and Th. at 9 and F. at 3 (III and IV). 6 points. [15]

MRS. STABENAU, MISS BALLUFF, and MISS LEDERMANN.

01-02. ORAL PRACTICE. Conversation as extension of the work in *Course 1-2*.

Open also to students in Course 3, 4 and, by special permission, to students in other German courses. Tu. and Th. at 9 (I), at 11 (II), at 2 (III) and at 3 (IV). 2 points. [0]

MRS. STABENAU and MISS BALLUFF.

3, 4. INTERMEDIATE COURSE. Rapid reading of texts, with practice in writing and speaking German.

Prerequisite for Course 3, Course 1-2 or two years of high school German.

Prerequisite for Course 4, Course 3, or three years of high school German. M., W. and F. at 9 (I), at 1 (II). 6 points. [15]

MRS. STABENAU and MISS BALLUFF.

LANGUAGE AND LITERATURE COURSES

5, 6. LESSING, GOETHE, AND SCHILLER. Although the course emphasizes literary appreciation rather than practice in the language, considerable opportunity is offered in the discussions for such practice.

Prerequisite for Course 5, Course 4, or a high grade in three years of high school German. Prerequisite for Course 6, Course 5, or the written permission of the instructor. Course 5, 6 is recommended as preparation for more advanced courses in German literature. M., W. and F. at 10. 6 points. [2]

PROFESSOR PUCKETT.

7, 8. MODERN GERMAN PROSE. Rapid reading of modern German historical, critical, and scientific prose, assignments in German newspapers and journals. Structure and development of vocabulary. Especially helpful in giving a more fluent reading knowledge of German for use in other fields, such as science and history, and in preparing for the foreign language test in German.

Prerequisite for Course 7, Course 4, or the written permission of the instructor. Prerequisite for Course 8, Course 7, or the written permission of the instructor. M., W. and F. at 11. 6 points. [3]

PROFESSOR PUCKETT.

9, 10. PRACTICE COURSE. Conversation and written exercises.

Prerequisite, Course 3 or a good grade in three years of high school German. Tu. and Th. at 10. 4, or on written permission of the instructor, 6 points. [0]

MRS. STABENAU.

25, 26. THE DRAMA OF THE NINETEENTH CENTURY.

Prerequisite, Course 5, 6 or 7, 8, or the equivalent. Tu. and Th. at 11. 4 or 6 points. [8]

MRS. STABENAU.

[27. PROSE FICTION OF THE NINETEENTH CENTURY.

Prerequisite, Course 5, 6 or 7, 8, or the written permission of the instructor. 2 or 3 points. Not given in 1947-48.]

PROFESSOR PUCKETT.

[28. THE LITERATURE OF THE TWENTIETH CENTURY.

Prerequisite, Course 5, 6 or 7, 8, or the written permission of the instructor. 2 or 3 points. Not given in 1947-48.]

PROFESSOR PUCKETT.

30. GERMAN ROMANTICISM.

Prerequisite, Course 5, 6 or 7, 8, or the written permission of the instructor. M. and W. at 2. 2 or 3 points. [5]

PROFESSOR PUCKETT.

[36. GOETHE'S *Faust*.

Prerequisite, Course 5, 6 or 7, 8, or the written permission of the instructor. 2 points. Not given in 1947-48.]

PROFESSOR PUCKETT.

[45, 46. HISTORY OF GERMAN LITERATURE FROM THE EARLIEST TIMES TO THE NINETEENTH CENTURY.

Prerequisite, Course 5, 6 or 7, 8, or the equivalent. Not given in 1947-48.]

PROFESSOR PUCKETT.

✓ 51. GERMAN LIFE AND INSTITUTIONS. The intellectual life of the German people as expressed in their literature and arts, as well as in their institutions, from the time of Frederick the Great to the present. Given in English.

Open to students of all classes. M. and W. at 2. 2 points. [5]

PROFESSOR PUCKETT.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Faculty of Philosophy.

GOVERNMENT

RAYMOND MOLEY, Ph.D., LL.D., Professor of Public Law
THOMAS PRESTON PEARDON, Ph.D., Professor of Government,
Executive officer

JANE PERRY CLARK CAREY, Ph.D., Assistant Professor of Government

VERA MICHELES DEAN, Ph.D., Associate in Government

MARY H. FAIRBANKS, A.M., Lecturer in Government

OLIVE HOLMES, A.M., Lecturer in Government

A major in government. Students majoring in government will be required to take:

Government. Courses 1, 2, 3, 4 and beyond these a number of more advanced courses determined in each case in accordance with the field of interest of the student. *Courses 1, 2 and 3, 4* must have been taken by the end of the junior year.

Because of the close relationship between the subject matter of history and

that of government students majoring in government may, with the written permission of the adviser, offer as part of the required 28 points, 6 points in history including a choice of *History* 1-2, 3, 4, 9, 10, 11, 12, 23, 24, 25, 26, 37, 38 or 45, 46. When such courses are counted toward the major in government they may not also be counted toward the satisfaction of the requirement in other social sciences described below.

Other social sciences. In view of the essential unity of the social sciences every student majoring in government is required to take courses amounting to 12 points distributed between two of the following departments as selected in conference with the adviser: anthropology, economics, geography, history, philosophy, psychology, religion, sociology.

A major in economics and government. Students majoring in economics and government will be required to take:

Economics 1, 2, 13 or 14, 17, 27 or 28. *Government* 1, 2, 3, 4, and at least one additional course in government.

Other social sciences. See requirement stated above.

A major in government and history. Students majoring in government and history will be required to take:

Government 1, 2, 3, 4, 62 or 72 (for 2 points), and at least one additional course in government. *History* 1-2, 9, 10, 45, and at least one additional course in history.

Other social sciences. See requirement stated above.

A Major in Government and Sociology

Students majoring in government and sociology will be required to take three 3-point courses from the following list of courses in government: 1, 2, 3, 4, 23, 24, 49, 50 and three 3-point courses from the following list of courses in sociology: 1, 2, 33, 34, 41, 42 and *Economics* 17, together with at least one additional course to be chosen from courses in either government or sociology.

See also *Area Studies and International Relations*, page 42.

1, 2. AN INTRODUCTION TO AMERICAN GOVERNMENT. A survey of contemporary American government and public problems, including the fundamental doctrines of the American constitution, the party system, the organization and work of legislative bodies, the leadership of the executive and the process of administration, the judicial system, problems of state and local government; the functions and services of government, including control over foreign relations, banking and commerce; governmental regulation and protection of business and labor and the promotion of public welfare.

Open to students of all classes. Course 1 or its equivalent is prerequisite for Course 2. M., W. and F. at 1 (I); also, for freshmen only, M., W. and F. at 1 (II). 6 points. [4]

PROFESSOR CAREY and MRS. FAIRBANKS.

3, 4. COMPARATIVE GOVERNMENT. An introduction to contemporary politics, especially as illustrated by the institutions, trends, and problems of govern-

ment in certain foreign countries: England, France, Germany, the U.S.S.R., and others.

Open to all excepting freshmen. Tu. and Th. at 11 and sections at one of the following hours: Tu. at 2 or 3, or Th. at 1. 6 points. [8]

PROFESSOR PEARDON.

7, 8. AMERICAN POLITICAL LIFE. American politics chiefly considered in the light of the ideas, achievements, and influence of important political leaders such as Jefferson, Hamilton, Marshall, Lincoln, Hanna, Theodore Roosevelt, Wilson, and Franklin D. Roosevelt, and such interpreters of American life as Emerson, Whitman, Mark Twain, and Henry Adams.

Open to all excepting freshmen. Tu., 3-5. 4 or 6 points. [13]

PROFESSOR MOLEY.

11, 12. INTERNATIONAL RELATIONS. An analysis of the setting and basic factors of contemporary world politics and a study of proposals for reconstructing a stable international order.

Open to all excepting freshmen. Tu. and Th. at 10 and Tu. at 2. 6 points. [7]

PROFESSOR ———.

14. GOVERNMENTS OF LATIN AMERICA. A study of the political institutions, ideas and problems of the major Latin American states, with consideration, also, of their international relations and policies.

Suggested parallel, History 39-40. Open to juniors and seniors. Tu., 3-5. 2 points.

MISS HOLMES.

15. THE FAR EAST. Political institutions and international relations of the Far East, with special reference to Japan and China.

Open to juniors and seniors. Th., 3-5. 2 points.

———.

16. THE SOVIET UNION. An analysis of the institutions, problems, and policies of Russia under Soviet rule.

Open to juniors and seniors. Th., 3-5. 2 points.

DR. DEAN.

23, 24. GOVERNMENT AND SOCIAL CONTROL. Methods of social control by government with special emphasis on the developing relationship of the government to social problems in war and in peace. The relationship of government to specific social problems such as housing, child welfare, wages, and social security. Plans for handling such problems in the post-war world, illustrated by the Beveridge Report, the work of the National Resources Planning Board, etc.

Prerequisite, Course 1, 2 or the equivalent. M., W. and F. at 2. 6 points. [5]

MRS. FAIRBANKS.

25, 26. CONSTITUTIONAL LAW OF THE UNITED STATES. An analysis of constitutional principles as developed through decisions of the Supreme Court of the United States in relation to: judicial review; federalism; powers of the Presi-

dent and of Congress in peace and war; civil and political rights; citizenship; the police power; due process of law; the equal protection of the laws.

Prerequisite, Course 1, 2 or its equivalent. Th., 1-3 and a third hour for conference. 6 points. [9]

PROFESSOR CAREY.

31, 32. THE HISTORY OF POLITICAL THOUGHT. A study of the development of political ideas from the Middle Ages to recent times.

Prerequisite, Course 3, 4 or History 1-2. M., W. and F. at 11. 6 points. [3]

PROFESSOR PEARDON.

49, 50. ADMINISTRATION AND MODERN GOVERNMENT. A study of the rôle of administration in modern government; controls of administration and the problems of responsibility; the civil service; centralization and decentralization of administration; the extension of administration to the international sphere, including problems of an international secretariat, an international civil service, and the practice of international conferences.

Prerequisite, Course 1, 2 or its equivalent. W., 3-5 and a third hour of first-hand observation and study in coöperation with national, state or international organizations of the problems of administration. 6 points. [10]

PROFESSOR CAREY.

61, 62. SEMINAR FOR MAJORS. Selected subjects and books in politics and government.

Open only to seniors majoring in government or in government and history. M. at 3. 4 points. [0]

PROFESSOR PEARDON.

[71, 72. PROBLEMS OF GOVERNMENT. Study of selected topics and books in politics and government.

This course may be taken only in connection with some other course in government. 2 or 4 points. Not given in 1947-48.]

PROFESSOR PEARDON.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. Ordinarily a minimum of 12 points of government at Barnard in addition to a major interest in the social sciences is required as a prerequisite. A description of the graduate courses will be found in the Announcement of the Faculty of Political Science. The following are specially recommended as suitable for Barnard seniors:

*Government 101, 102. The Process of Government. PROFESSOR WALLACE. W., 11-1. 6 points.

*Government 143. The Government of England. PROFESSOR PEARDON. Th. 4-6. 3 points.

*Government 144. Governments of the British Dominions. PROFESSOR PEARDON. Th. 4-6. 3 points.

*Government 173, 174. Theory of Government. PROFESSOR MACIVER. W., 4-6. 6 points.

GREEK AND LATIN

GERTRUDE M. HIRST, Ph.D., Professor of Greek and Latin,
Emeritus

MARGARETE BIEBER, Ph.D.,¹ Associate Professor of Fine Arts and Archaeology

JOHN DAY, Ph.D., Assistant Professor of Greek and Latin,
Executive officer

JOHN F. C. RICHARDS, Ph.D.,¹ Assistant Professor of Greek and Latin

F. ELLENOR M. SWALLOW, Ph.D., Instructor in Greek and Latin

A major in Greek, or in Latin, or in Greek and Latin combined. Courses may be counted toward these majors as follows:

Major in Greek. Any courses in Greek and 4 points in archaeology or civilization or Greek history may count.

Major in Latin. Any courses in Latin and 4 points in archaeology or civilization or Roman history may count.

Major in Greek and Latin combined. The following combinations are possible: (a) 18 points of Greek, 10 points of Latin; (b) 18 points of Latin, 10 points of Greek. No points in archaeology or civilization may count.

At least one course in Greek composition and one course in Latin composition are strongly recommended.

Other fields. The work in other fields will vary with the special interest of the student and should be arranged in consultation with the major department. Students will find it profitable to take courses in Greek history, or in Roman history, or in both (*History 5, 6, 13, 14, 15, 16*). A reading knowledge of French and German is advised.

ARCHAEOLOGY AND CIVILIZATION

Students majoring in Greek or in Latin may count courses in archaeology and civilization either toward their major or toward the 14-point requirement in the group indicated for each course by the statement made in connection with the point value, but not to cover both requirements. For all other students courses in archaeology and civilization will count toward the 14-point requirement in the group indicated for each course by the statement made in connection with the point value.

ARCHAEOLOGY

[61, 62. CENTERS OF HELLENIC CIVILIZATION. A study of life at certain Greek cities and sanctuaries of the Prehellenic, Hellenic, and Hellenistic periods, as revealed by existing monuments.

Open to all excepting freshmen. 4 points in Group III. Not given in 1947-48.]

PROFESSOR DAY.

¹ Officer of Columbia University giving instruction in Barnard College.

[64. GREEK ARTS AND CRAFTS. A study of Greek life as reflected by vases, coins, and other minor arts.

Open to all excepting freshmen. 2 points in Group III. Not given in 1947-48.]

PROFESSOR DAY.

[71. THE GREEK AND ROMAN THEATRE. Development of tragedy, comedy, and theatre building, based on literary evidence and particularly on monuments and objects of art. Third hour for the reading, in English translation, of Aeschylus, Sophocles, Euripides, Aristophanes, Plautus and Terence.

3 points in Group I. Not given in 1947-48.]

PROFESSOR BIEBER.

For other courses in archaeology see Fine Arts 41, graduate courses in Fine Arts (page 72) and other courses in the Announcement of the Faculty of Philosophy.

CIVILIZATION

49, 50. GREEK LIFE AND THOUGHT. A portrayal of Greek civilization. *Winter session:* Consideration of the nature of the country; monuments of Athens; archaeology and art. *Spring session:* Surveys are made of literature, the theatre and the drama, political, social, and economic thought and practices, with emphasis upon the origin of our democratic processes; philosophy; religion; athletic sports and festivals; education.

Open to students of all classes. Tu. and Th. at 10. 4 points in Group III. [7]

PROFESSOR DAY.

53, 54. ROMAN LIFE AND THOUGHT. Various aspects of Roman civilization. *Winter session:* The main subjects considered are the Etruscans and their influence upon Rome; development of the Roman "constitution"; economic and social life. *Spring session:* Attention is devoted to religion; festivals; the theatre and the drama; literature; education; architecture.

Open to students of all classes. Tu. and Th. at 2. 4 points in Group III. [9]

PROFESSOR DAY.

[55, 56. GREEK LITERATURE IN TRANSLATION. *Winter session:* Homer, Hesiod, lyric poetry, Herodotus and Thucydides. *Spring session:* The drama, oratory and philosophy.

Open to all excepting freshmen. 4 points in Group I. Not given in 1947-48.]

DR. SWALLOW.

66. CLASSICAL MYTHOLOGY. A study of the great myths of classical antiquity, their growth and significance in the ancient world and subsequent influence on Western literatures.

Open to students of all classes. Tu. and Th. at 9. 2 points in Group I. [6]

DR. SWALLOW.

75. GREEK POLITICAL THOUGHT. A study, through English translations, of the social, political, and economic doctrines advocated by Plato, in his *Republic* and *Laws*, and by Aristotle, in his *Politics*.

Open to all excepting freshmen. Tu. and Th. at 9. 2 points in Group III. [6]

PROFESSOR DAY.

77. CLASSICAL DRAMA. A literary study of the theatre in Greece and Rome, with emphasis upon its relationships to the modern theatre. Plays of Aeschylus, Sophocles, Euripides, Menander, Plautus, Terence, and Seneca will be read in English translation.

Open to all excepting freshmen. Tu. and Th. at 11. 2 points in Group I. [8]

DR. SWALLOW.

78. COMPARATIVE LITERATURE. Some great names in the literatures of Western Europe will be discussed with the purpose of examining the influences wrought upon them by the Greek and Latin writers—both in ideas and in form.

Open to all excepting freshmen. Tu. and Th. at 11. 2 points in Group I. [8]

DR. SWALLOW.

GREEK LANGUAGE AND LITERATURE

1-2. FIRST COURSE (FULL-YEAR). Grammar, composition, selected readings in prose and verse; selections from Homer's *Iliad*. This course may not be begun in the spring session.

Prerequisite, elementary Latin. M., W. and F. at 2. 6 points. [5]

PROFESSOR HIRST.

11. PLATO: APOLOGY; EURIPIDES: ONE PLAY.

Prerequisite, Course 1-2 or three years of high school Greek or special permission. M., W. and F. at 10. 3 points. [2]

DR. SWALLOW.

12. HOMER: ODYSSEY; SELECTIONS FROM HERODOTUS.

Prerequisite, Course 1-2 or three years of high school Greek or special permission. M., W. and F. at 10. 3 points. [2]

DR. SWALLOW.

19-20. PROSE COMPOSITION. First Course (full-year).

May be taken in connection with any reading course in Greek (except Course 1-2), but not separately; particularly recommended to students who have taken only Course 1-2. This course may be taken for credit in two different years. Hour to be arranged. 2 points. [0]

[21. GREEK TRAGEDY: TWO PLAYS.

Prerequisite, Course 11 and 12 or special permission. Not given in 1947-48.]

DR. SWALLOW.

[22. GREEK COMEDY: TWO PLAYS.

Prerequisite, Course 11 and 12 or special permission. Not given in 1947-48.]

DR. SWALLOW.

25. PLATO. Either the *Phaedo* or selections from the *Republic* will be read.

Prerequisite, Course 11 and 12 or special permission. W. and F. at 11. 2 points. [3]

PROFESSOR DAY.

26. SELECTIONS FROM THUCYDIDES: BOOKS VI AND VII. The Sicilian expedition.

Prerequisite, Course 11 and 12 or special permission. W. and F. at 11. 2 points. [3]

PROFESSOR DAY.

29-30. PROSE COMPOSITION. Second course (full-year).

Prerequisite, Course 19-20 or the equivalent. May be taken in connection with any reading course in Greek, but not separately. This course may be taken for credit in two different years. Hour to be arranged. 2 points. [0]

PROFESSOR RICHARDS.

See also *Archaeology*, page 86, *Civilization*, page 87, *Fine Arts 41*, page 69, and *History* (Courses 5, 6, 13, 14, 15, 16, 17, 18), pages 92, 93 and 94.

LATIN LANGUAGE AND LITERATURE

[1-2. BEGINNERS' FULL-YEAR COURSE.

Not given in 1947-48.]

DR. SWALLOW.

3. VERGIL: SELECTIONS FROM AENEID I-VI.

Prerequisite, two or three years of high school Latin or Latin 1-2. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 9. 3 points. [1]

DR. SWALLOW.

4. CICERO: DE AMICITIA AND SELECTED LETTERS.

Prerequisite, two or three years of high school Latin or Latin 1-2. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 9. 3 points. [1]

DR. SWALLOW.

11. PLINY: SELECTED LETTERS; TACITUS: AGRICOLA.

Prerequisite, Course 3 or 4 or four years of entrance Latin. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 1. 3 points. [4]

DR. SWALLOW.

12. CATULLUS: SELECTIONS; HORACE: SELECTED ODES AND EPODES.

Prerequisite, Course 3 or 4 or four years of entrance Latin. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 1. 3 points. [4]

PROFESSOR DAY.

[17-18. LECTURES ON LATIN LITERATURE. The importance of Latin literature among the great national literatures. Full-year course.

Open to students who are taking any reading course in Greek or Latin. 2 points. Not given in 1947-48.]

PROFESSORS HIRST and DAY.

19-20. LATIN COMPOSITION. First course (full-year).

May be taken in connection with any reading course in Latin, but not separately. Strongly recommended as a parallel to Courses 3, 4 and 11, 12. This course may be taken for credit in two different years. Tu. at 3. 2 points. [0]

DR. SWALLOW.

21. LIVY: SELECTIONS; VERGIL: SELECTIONS FROM GEORGICS I-II. Two great masters of Augustan prose and poetry.

Prerequisite, Courses 11 and 12 or special permission. M., W. and F. at 9. 3 points. [1]

PROFESSOR HIRST.

22. ROMAN SATIRE OF THE EMPIRE: JUVENAL AND MARTIAL.

Prerequisite, Courses 11 and 12 or special permission. M., W. and F. at 9. 3 points. [1]

PROFESSOR HIRST.

[25. CAESAR: DE BELLO CIVILI, SELECTIONS; CICERO: LETTERS, SELECTIONS.

Prerequisite, Courses 11 and 12 or special permission. Not given in 1947-48.]

PROFESSOR DAY.

[26. ROMAN DRAMA.

Prerequisite, Courses 11 and 12 or special permission. Not given in 1947-48.]

DR. SWALLOW.

[27. TACITUS: ANNALS; SUETONIUS.

Prerequisite, Courses 11 and 12 or special permission. Not given in 1947-48.]

DR. SWALLOW.

[28. LUCRETIVS: SELECTIONS; HORACE: EPISTLES.

Prerequisite, Courses 11 and 12 or special permission. Not given in 1947-48.]

PROFESSOR DAY.

29-30. PROSE COMPOSITION. Second course (full-year).

Prerequisite, Course 19-20. May be taken in connection with any reading course in Latin, but not separately. This course may be taken for credit in two different years. Th. at 1. 2 points. [0]

[41, 42. LATIN LITERATURE.

6 points. Not given in 1947-48.]

See also *Archaeology*, page 86, *Civilization*, page 87, and *History* (Courses 5, 6, 13, 14, 15, 16, 17, 18), pages 92, 93 and 94.

HISTORY

EUGENE H. BYRNE, Ph.D., Professor of History,
Executive officer

WILLIAM HALLER, Ph.D.,¹ Professor of English

VIRGINIA D. HARRINGTON, Ph.D., Assistant Professor of History

RENÉ ALBRECHT-CARRIÉ, Ph.D., Assistant Professor of History

BASIL RAUCH, Ph.D., Assistant Professor of History

CHARLOTTE T. MURET, Ph.D., Associate in History

CHILTON WILLIAMSON, A.M., Lecturer in History

URSULA S. LAMB, A.M., Lecturer in History

MARSHALL CLAGETT, Ph.D., Instructor in History, Columbia University

A major in history. Students majoring in history will be required to take the following courses:

History. Courses 1-2, 9, 10 and one other general course, such as those offered in ancient, medieval, or English history. They should then concentrate their attention on some special field in which to do work of a more advanced character. Courses 1-2 and 9, 10 should have been taken by the end of the junior year. Only two of the courses 1-2, 9, 10, and 3-4 may be counted toward the major. Course 45, 46 is recommended for all seniors majoring in history.

On account of the close relationship between the subject matter of history and that of government, students majoring in history may with the written permission of the department offer as part of the 28 points of the major requirement 6 points in government selected from *Courses* 1, 2, 3, 4, 9, 10, 11, 12, 31, 32. When such courses are counted toward the major, they may not also be counted toward the satisfaction of the requirement in other social sciences described below.

Other social sciences. In view of the essential unity of the social sciences, students majoring in history must elect 12 points distributed in two social sciences other than history. The courses will be selected in conference with the adviser. Certain of these courses may also be counted toward the satisfaction of the general requirement in Group I or Group II. (See pages 27, 28.)

Students majoring in history must acquire a reading knowledge of some foreign language.

With the work in history they may combine work in other departments to

¹ Absent on leave, spring session.

make up a group of correlated courses on some large subject, such as ancient history and philosophy or art, modern history and international relations or sociology, English history and literature or government, American history and economics, the history of thought and culture.

A major in government and history. Students majoring in government and history will be required to take:

Government 1, 2, 3, 4, 62 or 72 (for 2 points), and at least one additional course in government. *History 1-2, 9, 10, 45*, and at least one additional course in history.

See also *American Studies*, page 42, *International Relations*, page 45, *Medieval Studies*, page 46, and *Renaissance Studies*, page 47.

INTRODUCTORY COURSE

1-2. SURVEY OF MODERN EUROPEAN HISTORY FROM THE AGE OF DISCOVERY TO THE OUTBREAK OF THE SECOND WORLD WAR. *Winter session:* Foundations of modern Europe; political, economic, social, and intellectual achievements from the fifteenth century to the eighteenth; the British, American, and French Revolutions; the era of Napoleon and the Congress of Vienna. *Spring session:* Industrial Revolution; rise of nationalism; social, intellectual, and economic problems of the nineteenth century; imperialism and world politics; causes and consequences of the First World War; Fascism, Bolshevism, Nazism; causes and outbreak of the Second World War. Full-year course.

Open to students of all classes. M., W. and F. at 9 (I), at 11 (II); also, for freshmen only, M., W. and F. at 9 (III, IV), at 10 (V), at 11 (VI), Tu., Th. and S. at 10 (VII), at 11 (VIII). 6 points.

PROFESSORS BYRNE and CARRIÉ, DR. MURET, MR. WILLIAMSON, and MRS. LAMB.

GENERAL COURSES

3-4. THE AMERICAN HERITAGE. Origins, background, development, and character of American civilization; the coming of Europeans and other peoples to the Americas from the fifteenth to the twentieth centuries and an estimate of their contributions; European events as they influenced the growth of the Americas. The Thirteen English Colonies and the United States as part of the American hemisphere and of the world; the emphasis to be placed on social and cultural history against the political background. Full-year course.

Recommended for freshmen, and open to members of all other classes. Recommended for prospective American Studies majors. Not recommended for prospective history majors. M., W. and F. at 2 and a conference hour to be arranged. 8 points. [5]

PROFESSOR RAUCH.

5, 6. THE ANCIENT WORLD. A survey of the ancient Orient, Greece and Rome. *Winter session:* The pre-Greek cultures of the ancient Near East; the development of Greek civilization from its beginnings to the Roman conquest. *Spring session:* Pre-Roman Italy; rise of Rome from city state to ruler of a world

empire; the Roman Empire, and the problem of its "decline and fall"; beginnings and triumph of Christianity.

Open to sophomores, juniors and seniors and to qualified freshmen on written permission of the department. Fine Arts 41 is recommended as a parallel course. M., W. and F. at 9. 6 points. [1]

9, 10. HISTORY OF THE AMERICAN NATIONS FROM COLONIES TO WORLD POWER. *Winter session:* Political, social, and economic aspects of American history under the British Empire, during the Revolution, and in the early republic; territorial expansion and foreign affairs before the Civil War; political parties and sectionalism to the Compromise of 1850. *Spring session:* The Civil War and reconstruction; nationalism and industrial capitalism; the agrarian revolt and the reform movement; the United States as a world power; the First World War and after.

Open to sophomores, juniors, and seniors and to qualified freshmen on written permission of the instructor. M., W. and F. at 10 (1) for juniors and seniors, (II) for sophomores. 6 points. [2]

MR. WILLIAMSON and ———.

11, 12. THE HISTORY OF ENGLAND. The development of English institutions, characteristics, and ways of living with particular reference to language and literature; the relation of English to American civilization. *Winter session:* The Norman Conquest to the Restoration; medieval beginnings, Tudor nationalism, the Puritan Revolution. *Spring session:* The Restoration to 1914; the ruling class and the Empire, the American, French, and Industrial Revolutions, the Victorian age.

Open to all excepting freshmen. Tu. and Th. at 2 and a conference hour to be arranged. 4 or 6 points. [9]

PROFESSOR HALLER.

MORE ADVANCED COURSES

[13, 14. HISTORY OF GREECE. A short survey of Greek civilization in its three "stages": Helladic, Hellenic, and Hellenistic; fifth-century Athens, as the highest type of Greek culture, and the Hellenistic Age, as the period of cultural transmission.

Open to juniors and seniors and to sophomores on written permission of the instructor. Fine Arts 41 is recommended as a parallel course. 6 points. Courses 13, 14 and 15, 16 are ordinarily given in alternate years. Not given in 1947-48.]

[15, 16. HISTORY OF ROME. The rise of Rome, her conquest of the Mediterranean world, a detailed study of the Empire.

Open to juniors and seniors and to sophomores on written permission of the instructor. 6 points. Courses 13, 14 and 15, 16 are ordinarily given in alternate years. Not given in 1947-48.]

17, 18. MEDIEVAL CIVILIZATION AND THE RENAISSANCE. *Winter session:* The social and cultural history of the Middle Ages with emphasis upon developments in the twelfth and thirteenth centuries. *Spring session:* Politics and society in the fourteenth, fifteenth, and early sixteenth centuries.

Open to juniors and seniors and to sophomores on written permission of the instructor. A fine arts course to be selected from 51, 52, 62, 65, 66 is recommended as a parallel course. Tu. and Th. at 10, and Th. at 3. 6 points. [7]

PROFESSOR BYRNE.

21-22. THE FRENCH REVOLUTION AND NAPOLEON. A study of the Revolution; the background of eighteenth-century Europe; origins of the Revolution; its political and social doctrines; the Napoleonic era and the spread of revolutionary ideas; reaction and the Congress of Vienna. Full-year course.

Open to juniors and seniors and to sophomores on written permission of the instructor. M., W. and F. at 1. 6 points. [4]

DR. MURET.

[23, 24. EUROPE IN THE NINETEENTH CENTURY (1815-1914). A review of the social and intellectual bases of contemporary Europe and a history of its principal nations after 1815. The results of the Industrial Revolution; the theories and growth of liberalism, democracy, nationalism, and imperialism; romanticism and realism in arts and letters; scientific and religious developments; socialism and syndicalism in theory and practice; the intellectual sources of Fascism and Nazism.

Open to juniors and seniors and to sophomores on written permission of the instructor. 6 points. Not given in 1947-48.]

25, 26. EUROPE AND THE TWO WORLD WARS. The dominance of Bismarck. The domestic problems of the principal powers. The rival alliances; the renewed colonial expansion and the clash of imperialisms. The First World War; origins and course; the issue of responsibility. The peace settlements; the League. The period of the nineteen-twenties. The new political systems: Bolshevism, Fascism, Nazism. The collapse of the nineteen-thirties. The Second World War: origins, course, and legacy.

Open to all excepting freshmen. Course 25 is prerequisite for Course 26 except on written permission of the instructor. M., W. and F. at 10. 6 points. [2]

PROFESSOR CARRIÉ.

[27, 28. FRANCE IN THE NINETEENTH AND TWENTIETH CENTURIES. A review of the political and cultural history of France from 1815 to the present. The struggle between the principles of the Revolution and the forces of reaction; the monarchy and the Second Empire. The establishment and final success of the Third Republic. The First World War and its effects on France. Her position and rôle after 1919. Literary and artistic movements and their influence in Europe.

Open to all excepting freshmen. Course 27 is prerequisite for Course 28 except on written permission of the instructor. 6 points. Not given in 1947-48.]

DR. MURET.

[29, 30. THE MODERN MEDITERRANEAN WORLD. Historic rôle of the Mediterranean: lands and peoples. The Near Eastern question after 1815. The clash of British and Russian interests. Balkan nationalism. France in North Africa. After 1870: the conflict between Russia and Austria-Hungary; the emergence of Italy; the end of Turkish rule in North Africa; the pressure toward the Southeast. The First World War and its consequences. The Balkans after 1919. The Near East: the new Turkey, the mandated areas, Arab nationalism. Italian imperial ambitions. The Second World War and the renewed clash of imperial interests in the Near East.

Open to all excepting freshmen. Course 29 is prerequisite for Course 30 except on written permission of the instructor. 6 points. Not given in 1947-48.]

PROFESSOR CARRIÉ.

31, 32. CENTRAL EUROPE SINCE THE REFORMATION. The broad lines of development of the region bounded by the Rhine, the Alps, the Balkans, and Russia: the struggle for the Rhine; Teuton and Slav; the Habsburgs and the Turks; the economic unity of the Danubian basin; nineteenth century German philosophy. The Holy Roman Empire in the sixteenth century; the Reformation and the Thirty Years War; Sweden; Prussia and the Habsburg-Hohenzollern conflict; Poland. The effects of nationalism in the nineteenth century. German preponderance after 1870; the First World War and its consequences.

Open to all excepting freshmen. M., W. and F. at 2. 6 points. [5]

PROFESSOR CARRIÉ.

33-34. AMERICAN COLONIAL HISTORY. The establishment of the English colonies in the New World; political, economic, religious, and social development of the colonies in the seventeenth and eighteenth centuries; origins of present American institutions in the colonial period; indications of an American culture in the mid-eighteenth century; development of British colonial policy; rivalry with Spain, Holland, and France; British policy after 1763; the Revolution; the Confederation; the Federal Constitution. Full-year course.

Open to all excepting freshmen. Tu. and Th. at 10. 4 points. [7]

PROFESSOR HARRINGTON.

37, 38. HISTORY OF AMERICAN FOREIGN RELATIONS. International relations of the American people from independence to world power. An attempt to understand the expansive forces of American national life in their relation to an evolving foreign policy. An analysis of the varied international interests of Americans and of such representative policies as isolation, the Monroe Doctrine, the Open Door, and the freedom of the seas.

Preceding or parallel, Course 9, 10. Tu. and Th. at 9. 4 points. [6]

PROFESSOR RAUCH.

39-40. LATIN AMERICAN HISTORY. A survey of the geography and resources of the area. The history of the discovery, exploitation, and development of colonial institutions. The struggle for independence; the evolution of the social, political, and cultural aspects of national life. Full-year course.

Open to all excepting freshmen. Tu. and Th. at 2 and a conference hour to be arranged. 4 or 6 points. [9]

MRS. LAMB.

41, 42. HISTORY OF SCIENCE. The development of the main currents of scientific thought in western civilization, emphasizing historically the mutual relationships of science with the social, economic, and cultural aspects of that civilization.

Open to juniors and seniors only. Not acceptable to meet the 6 points of history required for graduation. Course 41 is prerequisite for Course 42. M., W. and F. at 3.6 points. [10]

DR. CLAGETT.

45, 46. SEMINAR IN HISTORICAL STUDY. Readings in the great historians of the nineteenth and twentieth centuries. Introduction to problems in historical criticism.

Recommended for seniors majoring in history. Th. at 4.4 points. [0]

PROFESSORS BYRNE AND RAUCH.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. Ordinarily a minimum of 18 points in history at Barnard, or in special cases the equivalent thereto in courses in other social sciences, is required as a prerequisite. A description of the graduate courses will be found in the Announcement of the Faculty of Political Science. The following are specially recommended as suitable for Barnard seniors:

**History 131-132. Major Factors in Modern European History, with special reference to the rise of nationalism. PROFESSOR HAYES. W., 7:30-9. 6 points.*

**History 137-138. The Modern Expansion of Europe. PROFESSOR ———. Tu. and Th. at 10. 6 points.*

**History 139-140. European Thought and Culture in the Nineteenth Century. PROFESSOR BARZUN. M. and W. at 10. 6 points.*

**History 147. Russia in the Imperial Age. PROFESSOR ROBINSON. Tu. and Th. at 4:10. 3 points.*

**History 148. The Russian Revolution. PROFESSOR ROBINSON. Tu. and Th. at 4. 3 points.*

**History 153-154. Jewish History in the Twentieth Century. PROFESSOR BARON. Tu. 4:10-6. 6 points.*

**History 171-172. Development of American Nationalism in the Nineteenth and Twentieth Centuries. PROFESSOR KROUT. Tu. and Th. at 11. 6 points.*

**History 181-182. Economic and Cultural History of the United States, 1865-1945. PROFESSOR CARMAN. M. and W. at 9. 6 points.*

**History 187. Latin American History. PROFESSOR TANNENBAUM. Th. 4:35-6:15. 3 points.*

**History 191-192. Modern History of the Far East. PROFESSOR GARDNER. Tu. and Th. at 11. 6 points.*

**History 193-194. History of Chinese Civilization. PROFESSOR GOODRICH. M. and W. at 10. 6 points.*

**History 195. History of Japan and Japanese Civilization. SIR GEORGE SANSOM. M. and W. at 11. 3 points.*

HYGIENE

GULIELMA F. ALSOP, M.D., College Physician

A1-A2. **HYGIENE.** *Winter session:* A study of mental health to enable the individual to coöperate with other people, especially in college, in careers, and in marriage. *Spring session:* A study of the laws of health with special reference to nutrition and the creation of physical and mental stamina.

Prescribed for freshmen. Tu. at 11 (I); at 2 (II); Th. at 1 (III). 2 points. [12]

DR. ALSOP.

ITALIAN

DINO BIGONGIARI, A.B.,¹ Da Ponte Professor of Italian
 PETER M. RICCIO, Ph.D.,¹ Associate Professor of Italian
 TERESA CARBONARA, A.M., Assistant Professor of Italian,
Executive officer

ALFONSINA ALBINI-GRIMALDI, M.A., Lecturer in Italian

A major in Italian. Students majoring in Italian will be required to take:

Italian. Courses 3, 4, 15, 16, 17, 18, 19, 20, 21, 22, and other courses to be arranged in consultation with the department.

Other fields. English 49, 50, 53, 54; Fine Arts 51, 52, 62, 65; History 17, 18; Philosophy 61-62. Two years of French or German or Spanish. Some knowledge of Latin is also desirable.

See also *Medieval Studies*, page 46, and *Renaissance Studies*, page 47.

LANGUAGE COURSES

1-2. **INTRODUCTORY FULL-YEAR COURSE.** A rapid course in the Italian language intended for students who wish to acquire in one year ability to read masterpieces of Italian literature as well as opera librettos and critical works on Italian music and art. Emphasis is placed on the oral aspect of the language. Extensive use of realia, music, and phonograph records.

This course may not be taken parallel to Portuguese 1-2 or Spanish 1-2. M., W. and F. at 9 and two additional hours of oral work. M., 3-5, or Th., 1-3. 8 points. [1]

PROFESSOR CARBONARA.

3, 4. **INTERMEDIATE COURSE.**² Vocabulary building with special emphasis on conversation and composition. Readings and discussions based on representative Italian literary works.

Prerequisite, Course 1-2 or the equivalent. M., W. and F. at 1. 6 points. [0]

MRS. ALBINI-GRIMALDI.

5, 6. **ITALIAN CONVERSATION.**

To be taken in connection with another Italian course. Hours to be arranged. 2 points. [0]

MRS. ALBINI-GRIMALDI.

¹ Officer of Columbia University giving courses in Barnard College.

² Conducted entirely in Italian.

LITERATURE COURSES

[15. DANTE AND MEDIEVAL CULTURE.¹ A study of Dante, his poetry and his times.

Prerequisite, Course 3, 4 or the equivalent. This course may be taken for credit in two different years. 3 or, with the written permission of the instructor, 4 points. Not given in 1947-48.]

PROFESSOR CARBONARA.

[16. THE ITALIAN RENAISSANCE.¹ Petrarch and humanism; Machiavelli and political philosophy; Castiglione and the ideal of the modern gentleman. Ariosto and the Italian chivalric epic. Tasso and the counter-reformation. This course includes practice in the written as well as the spoken language.

Prerequisite, Course 3, 4 or the equivalent. 3 or, with the written permission of the instructor, 4 points. Not given in 1947-48.]

PROFESSOR CARBONARA.

17, 18. ITALIAN LITERATURE OF THE NINETEENTH CENTURY. Special emphasis will be laid on the works of Manzoni, Leopardi, Carducci.

Prerequisite, Course 3, 4 or the equivalent. M., W. and F. at 11. 6 or, with the written permission of instructor, 8 points. [3]

PROFESSOR CARBONARA.

19, 20. ITALIAN CIVILIZATION. *Winter session:* A study of Italian culture in the thirteenth and fourteenth centuries with special emphasis on Dante; Petrarch and early humanism. *Spring session:* A study of Italian culture from the fifteenth century to modern times with special emphasis on world exploration, the discovery of politics, Renaissance arts and social life, development of music, drama, opera, and modern science.

Open to students of all classes. Conducted in English. M., W. and F. at 2. 6 points. [0]

PROFESSOR CARBONARA.

21, 22. SPECIAL READING.¹ Discussions on readings in Italian art, history, science, music, and letters. Individual reading assignments are generally given in that field of Italian culture most intimately associated with the student's major interests.

Required of major students. With the written permission of the department this course may be taken in two successive years. Hours to be arranged. 4 or, with the written permission of the instructor, 6 points. [0]

PROFESSORS RICCIO and CARBONARA.

GRADUATE COURSES¹

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Faculty of Philosophy. The following is specially recommended as suitable for Barnard seniors:

**Italian 101-102. A Survey of the History of Italian Literature. Full-year course. PROFESSOR PREZZOLINI. 6 points.*

¹ Conducted entirely in Italian.

LATIN

See *Greek and Latin*

MATHEMATICS

EDWARD KASNER, Ph.D.,¹ Adrain Professor of Mathematics

GEORGE WALKER MULLINS, Ph.D., LL.D.,² Professor of Mathematics

EDGAR R. LORCH, Ph.D., Associate Professor of Mathematics,

Executive officer

MARY ELIZABETH LADUE, Ph.D., Assistant Professor of Mathematics

MARY GWATHMEY, A.B., Assistant in Mathematics

A major in mathematics. Students majoring in mathematics will be required to take:

Mathematics. A minimum of 28 points including the calculus sequence, *Mathematics 31, 32, 33*, or the equivalent, and in addition courses selected with the approval of the major adviser.

Other fields. Usually a major in mathematics finds it advantageous to supplement her mathematical studies with work in allied subjects. For example courses in physics, chemistry or statistics are frequently elected. The choice of these related courses will vary with the special interests of the student and must be decided upon in consultation with the major department.

1 (or 1R). TRIGONOMETRY.

Winter session only: 1—M., W. and F. at 9 (I); Tu., Th. and S. at 9 (II).

Spring session only: 2R—M., W. and F. at 10. 3 points either session.

PROFESSOR LADUE and ———.

7–8. MATHEMATICAL ANALYSIS. A general cultural course designed to give the student who intends to take only one year of college mathematics as broad a view as possible of the nature of mathematics. The subject matter will include topics from algebra, trigonometry, analytic geometry, differential and integral calculus. The emphasis will be upon the appreciation of the philosophy of mathematics but will reduce to a minimum the development of technical skills and the applications to specific problems. This course is not recommended for students of the physical sciences and is not open to students planning to major in mathematics. Full-year course.

Tu., Th. and S. at 9. 6 points. [6]

PROFESSOR LADUE.

22 (or 22R). ANALYTIC GEOMETRY. Introduction to the analytic geometry of the plane and of space.

Prerequisite, Course 1. Winter session only: 22R—M., W. and F. at 9 (I), at 3 (II). Spring session only: 22—M., W. and F. at 9 (I); Tu., Th. and S. at 9 (II). 3 points either session.

PROFESSOR LADUE and ———.

¹ Officer of Columbia University giving instruction in Barnard College.

² On leave winter session.

24. ALGEBRA AND THE THEORY OF EQUATIONS. Permutations and combinations, probability, mathematical induction, complex numbers, theory of equations, determinants.

Prerequisite or parallel, Course 1. M., W. and F. at 1. 3 points. [4]

PROFESSOR MULLINS.

28. PROJECTIVE GEOMETRY. Perspectivity; homology; the principle of duality; involution; projective forms in relation to conic sections, leading up to the theorems of Pascal, Brianchon, and Desargues.

Prerequisite, Course 22. M., W. and F. at 10. 3 points. [2]

PROFESSOR LADUE.

[29. GRAPHICAL AND NUMERICAL METHODS. Nomographic charts for calculation, solution of equations by graphical and numerical methods, numerical integration, numerical solutions of differential equations.

Prerequisite, Course 22. 3 points. Not given in 1947-48.]

PROFESSOR MULLINS.

31-32. (or 31R-32R). CALCULUS. Differential and integral calculus. Full-year course.

Students electing 31R in the spring session must take 32R in the following winter session. Prerequisite, Course 22. Entire year: 31-32.—M., W. and F. at 1. Spring session only: 31R (equivalent of 31)—M., W. and F. at 9 (I), at 3 (II). Winter session only: 32R (equivalent of 32)—M., W. and F. at 3. 6 points.

PROFESSORS LORCH and MULLINS, and ———.

33 (or 33R). CALCULUS. Continuation of the study of calculus.

Prerequisite, Course 31-32. Winter session only: 33—M., W. and F. at 10. 3 points. [2] Spring session only: 33R—M., W. and F. at 2. 3 points. [5]

—————.

[44. THE THEORY OF SPACE AND TIME. The course will be divided into two parts. In the first, the foundations of euclidean and non-euclidean geometry will be considered. The second is devoted to the special theory of relativity.

Prerequisite, Course 31-32. 3 points. Not given in 1947-48.]

PROFESSOR LORCH.

[46. ANALYTIC GEOMETRY OF SPACE AND HYPERSPACE. Modern methods in solid analytics. Vectors, matrices, groups, quadratic forms.

Prerequisite, Course 31-32. 3 points. Not given in 1947-48.]

PROFESSOR LADUE.

47. ELEMENTARY THEORY OF NUMBERS. A study of the properties of whole numbers. A variety of important and historically interesting problems will be discussed on an entirely elementary basis. Among the topics to be dealt with are: divisibility; Euclid's algorithm; prime numbers; quadratic residues; diophantine equations; rings and fields.

Prerequisite, Course 22. M., W. and F. at 10. 3 points. [2]

PROFESSOR LADUE.

[54. ADVANCED CALCULUS. An introduction to various branches of mathematical analysis. Partial differentiation and multiple integrals and their applications to geometry and physics; line integrals, the theorems of Green and Stokes; Fourier series; the calculus of variations.

Prerequisite, Course 33. 3 points. Not given in 1947-48.]

PROFESSOR LORCH.

56. DIFFERENTIAL EQUATIONS. An elementary course in differential equations.

Prerequisite, Course 33. M., W. and F. at 9. 3 points. [1]

PROFESSOR LORCH.

[57. HIGHER ALGEBRA. Fields, theory of equations in various fields, symmetric functions, elimination theory. Theory of determinants and matrices, systems of linear equations.

Preceding or parallel, Course 32. 3 points. Not given in 1947-48.]

PROFESSOR LORCH.

107. PROBABILITY. The classical theory of probability is developed in a rigorous fashion. The critique of the theory is implemented by the discussion of numerous examples. The topics treated include: the theorems of Tchebycheff, Bernoulli and Poisson; Stirling's formula; the probability integral; generating functions; the normal law of error.

Preceding or parallel, Course 33. M., W. and F. at 9. 3 points. [1]

PROFESSOR LORCH.

[133, 134. FUNDAMENTAL CONCEPTS OF MODERN MATHEMATICS. A general survey emphasizing the bearing of higher theories on elementary mathematics and the historical evolution of ideas. Topics treated: transformations and groups, conformal mapping, algebra of logic, point-sets and topology, imaginary and hypercomplex numbers. Applications to physics.

Preceding or parallel, Course 31-32. 6 points.

Courses 133, 134 and 135, 136 are ordinarily given in alternate years. Not given in 1947-48.]

PROFESSOR KASNER.

135, 136. SURVEY OF MODERN MATHEMATICS. A general course emphasizing the historical evolution of fundamental concepts. Development of the number system from integers to complex domain. Modern theory of infinity. The function concept. Algebra of logic. The foundations of geometry. Elementary geometry of four dimensions. Analytic treatment of n-dimensions. Non-euclidean systems. Geometric groups. Applications to physics.

Preceding or parallel, Course 31-32. M., W. and F. at 11. 6 points. [3]

Courses 133, 134 and 135, 136 are ordinarily given in alternate years.

PROFESSOR KASNER.

MEDIEVAL STUDIES

See *Interdepartmental Courses*, page 46.

MUSIC

DOUGLAS STUART MOORE, A.B., Mus.B.,¹ Professor of Music,
Executive officer

OTTO LUENING, Associate Professor of Music on the Joline Foundation

PAUL HENRY LANG, Ph.D.,¹ Professor of Musicology

HERBERT DITTLER,¹ Assistant Professor of Music

ERICH HERTZMANN, Ph.D.,¹ Assistant Professor of Music

WILLIAM J. MITCHELL, A.M.,¹ Assistant Professor of Music

JACOB AVSHALOMOFF, A.M.,¹ Instructor in Music

JACK BEESON, M.M.,¹ Instructor in Music

CAROLYN P. CADY, A.M., Instructor in Music

ABRAM LOFT, A.M.,¹ Instructor in Music

ROBERT WARD, B.M.,¹ Instructor in Music

IGOR BUKETOFF, M.S.,¹ Associate in Music

NORMAND LOCKWOOD,¹ Associate in Music

Teaching staff in Applied Music:

ALTA HILL, Piano

YELLA PESSL,¹ Harpsichord

DAGMAR RYBNER-BARCLAY, Voice

FRANK M. SHERIDAN, Piano

CARL WEINRICH, F.A.G.O.,¹ Organ

A major in music. Students intending to major in music should plan to take Courses 1a and 2 in the freshman year and Course 31-32 in the sophomore year as these courses are prerequisite to the advanced courses in literature, history, and theory which are normally included in a major program.

In general, major programs are planned to include 28 points of advanced work (exclusive of Courses 1, 1a, and 2) both in literature and history, and in theory. Ordinarily Courses 23-24, 35-36, and 37-38 are required. Other applied music courses are counted toward fulfillment of the major but are not required. Music majors, whether or not registered in courses in applied music, are expected to participate in the undergraduate musical organizations.

Attendance at the Collegium Musicum meetings is compulsory for all music majors.

Other fields. A reading knowledge of German, Italian or French is required. Students planning to do graduate work must have two foreign languages one of which is German. *Italian 1-2* is recommended for its relationship with the materials of *Music 5*. *Philosophy 41-42* is recommended. Courses in history, literature or other fields which will vary with the special interest of the student should be elected after consultation with the major department.

Practice rooms. The department provides practice rooms for the use of students of applied music. Preference in assigning hours is given in order of application to those enrolled in courses given by the department. Application for practice time should be made to the department office, 407 Barnard,

¹ Officer of Columbia University offering courses open to Barnard students.

during registration and the first two days of classes. Organ students should apply to the Columbia departmental secretary, 601 Journalism.

Library. Books, scores, and records are available at the Barnard College Library. The Columbia Department of Music maintains in 701 Journalism a lending library of books and scores. In addition, phonographs with a large collection of records are available to students.

LITERATURE AND HISTORY

- X 1-2. AN INTRODUCTION TO MUSIC. A study of the elements of musical structure designed to form intelligent habits of listening to music. The spring session is devoted to a study of selected masterpieces of the several great epochs of music, with emphasis on their style and structure. No previous knowledge of music is required. Full-year course.

Winter session: Tu. and Th. at 11 and an additional drill hour, Th. at 1. 603 Journalism. Spring session: Tu. and Th. at 11 and an additional hour, Th. at 1. 408 Barnard. 4 points. [8]

PROFESSOR MOORE and MRS. CADY.

- 1a. AN INTRODUCTION TO MUSIC. Similar to Music 1 but with a more detailed study of rhythmic, melodic and harmonic notation, intervals and chords, for students preparing for advanced courses in music.

Open on written permission of the instructor. Course 2 should follow. Tu. and Th. at 11. 408 Barnard. 2 points. [8]

MRS. CADY.

5. THE OPERA. A rapid survey of the development of opera from Monteverdi to the present.

Prerequisite, Course 1-2 or the equivalent. M., W. and F. at 2. 408 Barnard. 3 points. [5]

PROFESSOR LUENING.

6. THE SYMPHONY. Survey of symphonic style and structure from about 1750 to the present.

Prerequisite, Course 1-2 or the equivalent. M., W. and F. at 2. 408 Barnard. 3 points. [5]

MRS. CADY.

- *13-14. LITERATURE OF CHAMBER MUSIC. A study of the literature of chamber music involving class analysis and performance of a selected list of compositions from the seventeenth century to the present day. Full-year course.

Prerequisite, Course 1a or the equivalent, and sufficient technical ability on piano, string, or wind instrument. Open only on written permission of the instructor. Tu., 2-4. 602 Journalism. 4 points.

PROFESSOR DITTLER.

- *19, 20. LITERATURE OF CHORAL MUSIC. A study of the choral literature from the Renaissance to the present.

Prerequisite: Music 1, Music 1-2 or the equivalent. Tu. and Th. at 11. 608 Journalism. 2 points.

MR. BUKETOFF.

*23-24. HISTORY OF MUSIC. A survey of the history of music from the beginning of the Christian era to the present. Full-year course.

Prerequisite, Course 31-32 or the equivalent. Tu. and Th. at 11 and Th. at 1. 703 Journalism. 6 points.

MR. LOFT.

*57. BACH. A study of the content, forms, and styles of Bach's music.

Prerequisite, Course 31-32 or the equivalent. Tu. and Th. at 2. 603 Journalism. 2, or with the written permission of the instructor, 3 points. [9]

PROFESSOR MOORE.

*58. TWENTIETH-CENTURY TENDENCIES IN MUSIC. Lectures and discussions of the idioms, esthetics, forms, and styles of the chief contemporary composers.

Prerequisite, Course 31-32 or the equivalent. Tu. and Th. at 2. 603 Journalism. 2, or with the written permission of the instructor, 3 points. [9]

PROFESSOR MOORE.

[*109. MUSIC IN THE MIDDLE AGES. A survey of the main types of music through the fourteenth century, with detailed analysis of the music.

Open to qualified seniors. Prerequisite, Course 23-24 or the equivalent. Not given in 1947-48.]

DR. HERTZMANN.

[*110. MUSIC IN THE RENAISSANCE. The main types of music from the fourteenth into the sixteenth century. Analysis of representative compositions and recordings.

Open to qualified seniors. Prerequisite, Course 23-24 or the equivalent. Not given in 1947-48.]

DR. HERTZMANN.

*111. BAROQUE MUSIC. A survey of baroque tendencies in music from the late sixteenth to the early eighteenth century, with detailed analysis of representative works.

Open to qualified seniors. Prerequisite, Course 23-24 or the equivalent. F., 2-5. 703 Journalism. 3 points.

DR. HERTZMANN.

[112. ROCOCO MUSIC. *Not given in 1947-48.*]

DR. HERTZMANN.

Collegium Musicum meets several times a year on Monday evenings to be announced. College Parlor, Barnard.

The aim of this organization is to acquaint the students with certain neglected and unfamiliar masterpieces in the literature of music, in order to supplement concert and recital programs to be heard in the city and elsewhere. All students majoring in music are required to attend the meetings and are urged to participate actively in the performance of vocal and instrumental music. The literature to be used embraces music from medieval times up to

the present day. Emphasis is placed upon a variety of compositions and not on finished performance.

THEORY

31-32. HARMONY. A study of triads, tones of figuration, dissonance, and modulation. One hour each week is devoted to ear training. Students who register must be able to play the piano. Full-year course.

Prerequisite, Course 1a or the equivalent and the written permission of the instructor. M., W. and F. at 1. 408 Barnard. 6 points. [4]

MRS. CADY.

*35-36. COUNTERPOINT. Full-year course.

Prerequisite, Course 31-32 or the equivalent. M., W. and F. at 10. 703 Journalism. 6 points. [2]

MR. AVSHALOMOFF.

*37-38. ADVANCED HARMONY AND ANALYSIS. An analytical study of the elements of chromaticism. The exercises in various styles are taken from the literature and are designed to introduce the student to characteristic features of musical texture. Full-year course.

Prerequisite, Course 31-32 or the equivalent. Parallel, advised but not required, Course 35-36. M., W. and F. at 11. 703 Journalism. 6 points. [3]

PROFESSOR MITCHELL.

*39-40. COMPOSITION A. Composition in the smaller forms, including songs, choral settings of carols and anthems, piano or organ solos, and pieces for violin or other instruments with piano. Full-year course.

Prerequisite, Course 31-32 or the equivalent. Tu. and Th. at 11. 602 Journalism. 4 points. [8]

MR. BEESON.

*131-132. COMPOSITION B. Canon and fugue are studied with practice in writing in these forms. Freer compositions are made for chorus, organ, piano, and chamber-music groups. Full-year course.

Prerequisite, Course 35-36 and the written permission of the instructor. M., 3-5. 604 Journalism. 4 points.

PROFESSOR LUENING.

*133-134. ORCHESTRATION. The various instruments of the modern orchestra are described, with demonstrations by professional players. A considerable amount of arranging for orchestra is a part of the work. Full-year course.

Prerequisite, Courses 35-36, 37-38 or the equivalent and written permission of the instructor. F., 2-4. 602 Journalism. 6 points.

MR. LOCKWOOD.

APPLIED MUSIC

Note. Each course in applied music must be taken parallel to a theoretical or historical course in music in order to count toward the degree, with the exception of course 73-74.

63-64. UNIVERSITY CHAMBER ORCHESTRA.W., 7:30-9:30. Casa Italiana Auditorium. 2 points.*

PROFESSOR DITTLER.

The regular activities of the Orchestra include two concerts in McMillin Theater and two opera productions in Brander Matthews Hall. Membership in the Orchestra is not limited to students who register for this course.

Audition schedule will be posted on the bulletin board of the Columbia Music Department during the registration period.

67-68. UNIVERSITY BAND.Tu., 7:30-9:45. 312 Hamilton. 2 points.*

MR. WARD.

The *marching unit* of the band appears at all major athletic events. Membership is restricted to men.

The *concert unit* gives a number of local and out-of-town concerts during the season and appears at Commencement in June. Membership is open to both men and women. Neither unit is limited to students who register for this course.

Properly qualified students are privileged to receive lessons in connection with the course. Scholarships for *Orchestra* and *Band* are described below.

Audition schedule will be posted on the bulletin board of the Columbia Music Department during the registration period.

ORCHESTRA AND BAND SCHOLARSHIPS

Exceptionally qualified students who participate in all activities of the Chamber Orchestra or the Band are entitled to a partial refund of tuition fees.

***73-74. CONDUCTING AND SCORE READING.** Lectures and practice in conducting. Reading, at the keyboard, of music for transposing instruments and of scores written in the C-clefs. Full-year course.

Prerequisite, Course 31-32 or the equivalent and the written permission of instructor. Tu. at 2, 608 Journalism, and Th., 2-4, 602 Journalism. 6 points.

MR. BUKETOFF.

79, 80. VOCAL INSTRUCTION. Private lessons in voice production and in interpretation. Coaching and repertory.

No student shall register for this course without consultation with the Music Department as early in the registration period as possible. Special fee, \$100 each session; no refunds. One hour weekly to be arranged. 406 Barnard. 2 points (see note, page 105). [0]

MME. RYBNER-BARCLAY.

83, 84. ORGAN INSTRUCTION. Individual instruction in the technic of the instrument and a weekly class lesson, or lecture recital, on the interpretation of the works of representative organ composers.

Open only on written permission of the instructor. Hours to be arranged. 2 points (see note, page 105). [0]

83a, 84a. Private lessons. Special fee \$100 each session; no refunds.

83b, 84b. *One hour a week in a group of three. Special fee, \$60 each session; no refunds.*

83c, 84c. *One hour a week in a group of four. Special fee, \$45 each session; no refunds.*

MR. WEINRICH.

✓ 91, 92. PIANO INSTRUCTION FOR BEGINNERS. Private lessons in the technic of the instrument and in interpretation.

No student shall register for this course without consultation with the Music Department as early in the registration period as possible. Special fee, \$75 each session; no refunds. Hours to be arranged. 406 Barnard. 2 points (see note, page 105). [0]

MISS HILL.

93, 94. PIANO INSTRUCTION FOR ADVANCED STUDENTS. Private lessons in the technic of the instrument and in interpretation. Coaching and repertory.

No student shall register for this course without consultation with the Music Department as early in the registration period as possible. Special fee, \$160 each session; no refunds. Hours to be arranged. 406 Barnard. 2 points (see note, page 105). [0]

MR. SHERIDAN.

*G. S. Music 95-96. HARPSICHORD INSTRUCTION. Private lessons at hours to be arranged.

Special fee \$100 each session. A harpsichord is available for practice at no additional charge. (See note, page 105). 2 points.

MISS PESSL.

BARNARD GLEE CLUB. IGOR BUKETOFF, Director.

All Barnard students are eligible for membership. The repertory will consist chiefly of compositions for women's voices from the literature of the masters and representative contemporary composers and of arrangements of folk music of various countries.

Besides appearances at the College, the Glee Club's schedule normally includes broadcasts and concerts outside of college, joint programs with men's and other women's colleges and two concerts each season with the Columbia University Glee Club and the Columbia University Orchestra at which more elaborate choral works will be performed.

Rehearsals: Tu. and Th., 5-6:15. 408 Barnard.

Audition dates: Th., Sept. 25, 4-6 and Tu., Sept. 30, 4-5. 408 Barnard.

First rehearsal: Tu., Sept. 30.

CHAPEL CHOIR. DR. LOWELL P. BEVERIDGE, Director of Chapel Music. All men and women students of the University are eligible to sing in the Chapel Choir. Regular members of the Choir are entitled to a refund of a portion of their tuition fees.

Services: Daily except Saturday, 12-12:20, and Sunday at 11.

Rehearsals: M., W. and F., 5-6:15; Sunday, 9:45. Chapel Crypt.

Auditions: M., Sept. 23, 3-5; Tu., Sept. 24, 10-12 and 3-5; W., Sept. 25, 10-12. Chapel Crypt.

ORIENTAL CIVILIZATIONS

Courses in oriental language, literature, history, philosophy, and art, given at Columbia University and described in the Announcement of the Faculty of Philosophy, are, with the permission of the instructors and the Committee on Instruction of Barnard College, open to properly qualified seniors.

PHILOSOPHY

WILLIAM P. MONTAGUE, Ph.D., LL.D., Johnsonian Professor of Philosophy
Emeritus

HELEN HUSS PARKHURST, Ph.D., Professor of Philosophy,
Executive officer

T. V. SMITH, Ph.D., LL.D., Litt.D., Visiting Professor of Philosophy

GERTRUDE V. RICH, Ph.D., Assistant Professor of Philosophy

JOHN E. SMITH, Instructor in Religion and Philosophy

—————, Instructor in Philosophy

Since the philosopher raises fundamental questions about the universe, man, and human institutions, and since he endeavors to correlate the various fields of knowledge in his search for the good, the true, and the beautiful, philosophic study is peculiarly bound up with and dependent upon all other studies. According to which subdivision of the whole field of philosophy—ethics, logic, metaphysics, esthetics—particularly interests those majoring in the subject, one or another group of courses will be found especially valuable. Strongly recommended:

- 1) in connection with the study of *individual and social ethics* are certain courses in religion, psychology, anthropology, government, and sociology;
- 2) in connection with the study of *logic*, courses in mathematics, statistics, scientific methods, and linguistics;
- 3) in connection with the study of *metaphysics*, courses in the sciences of inorganic and organic nature;
- 4) in connection with the study of *esthetics*, certain courses in music, fine arts, psychology, anthropology, and the literatures, ancient and modern;
- 5) in connection with the study of the *history* of philosophic ideas, courses in the history of science and in political and social history.

So intimately connected with the subject-matter of philosophy is the subject-matter dealt with in such courses that, by special arrangement, a limited number of points, not exceeding 6, in related departments, may count toward the 28-point requirement for a major in philosophy.

1 (or 1R). INTRODUCTION TO PHILOSOPHY. A survey of the various subdivisions of philosophic inquiry with special consideration of the metaphysics of materialism and idealism and their respective affiliations with natural science and with religion.

3 points either session in Group III. [16]

Winter session: 1—M., W. and F. at 9 (I). ————. M., W. and F. at 10 (II). ————. M., W. and F. at 11 (III). ————

_____. *Tu., Th. and S. at 9 (IV), for freshmen only.* _____.
Spring session: 2R. M., W. and F. at 9 (I). _____ *M., W. and*
F. at 10 (II). _____ *M., W. and F. at 11 (III).* _____
 _____. *Tu., Th. and S. at 9 (IV), for freshmen only.* _____.

3. METAPHYSICS OF LIFE AND MIND. A continuation of the introductory study of philosophy, with particular stress upon the Cosmological positions of Dualism or Vitalism, and of Positivism and the related doctrine of Pragmatism.

Prerequisite, Course 1 or the equivalent. M., W. and F. at 11. 3 points in Group III. [3]

✓ 6. LOGIC, INDUCTIVE AND DEDUCTIVE. A survey of the principles of Aristotelian logic.

M., W. and F. at 10. 3 points in Group II or III. [2]

22. ETHICS. A study of right and wrong and of the nature of good and bad with notes on the cosmic genesis and human context of each.

Open to juniors and seniors, and to qualified sophomores on written permission of the department. M., W. and F. at 11. 3 points in Group III. [3]

PROFESSOR T. V. SMITH.

24. READINGS IN THE HISTORY OF ETHICS.

This course may be taken only in connection with Course 21. Hour to be arranged for individual conferences for the discussion of important texts. 1 point in Group III. [0]

41-42. GENERAL ESTHETICS. A survey of the main problems of esthetic theory including the origins of art, the nature of creative imagination and esthetic experience and the meaning of the beautiful, the sublime, the tragic, and the comic. The arts will be treated comparatively for a distinguishing of their similarities and differences of medium, subject-matter and esthetic form and for a consideration of their relations to the experienced world and everyday living. Full-year course.

Open to juniors and seniors, and to qualified sophomores on written permission of the department. Tu. and Th. at 9. 6 points in Group I. [6]

PROFESSOR PARKHURST.

45. THE ESTHETICS OF POETRY AND PROSE. A study of the musical aspect of poetry—rhythm, rhyme, alliteration, and stanzaic patterns; of poetic imagery in prose as well as poetry; and of principles of prose style.

Tu., 2-4. 2 points in Group I. [9]

PROFESSOR PARKHURST.

53, 54. PROSE AND POETRY OR OTHER PROBLEMS OF ESTHETICS.

This course may be taken only in connection with some other course in

esthetics. Hour to be arranged for individual conferences for the discussion of important texts. 2 points in Group I. [0]

PROFESSOR PARKHURST.

61-62. THE HISTORY OF PHILOSOPHY. Full-year course.

Open to juniors and seniors, and to qualified sophomores on written permission of the department. M., W. and F. at 10. 6 points in Group III. [2]

PROFESSORS MONTAGUE and RICH, and (spring semester) T. V. SMITH.

63, 64. READINGS IN THE HISTORY OF PHILOSOPHY.

This course may be taken only in connection with some other course in philosophy. Hour to be arranged for individual or group conferences for the discussion of important texts. 2 points in Group III. [0]

[67. SEVENTEENTH AND EIGHTEENTH CENTURY BRITISH PHILOSOPHY AND ITS INFLUENCE. This course is designed to give the student an acquaintance with the general background of seventeenth and eighteenth century British thought, with special emphasis on the development of the liberal tradition in politics, religion, and ethics, and some knowledge of the influence of this tradition on French philosophy and on the American democratic ideal. To this end Newton and Locke and a number of other British philosophers, and certain French thinkers including Montesquieu, Voltaire, Helvetius, and Rousseau, are considered, as they affect the scientific world-picture and the developing belief in the natural rights of man.

Preceding or parallel, Philosophy 61-62, except by special permission. 3 points in Group III. Not given in 1947-48.]

PROFESSOR RICH.

69. THE LIBERAL TRADITION IN PHILOSOPHIC THOUGHT. The study will involve a definition and evaluation of liberalism, and its application in the fields of religion, ethics and politics from the time of Socrates to the present day.

Preceding or parallel, Philosophy 61-62, except by the permission of the instructor. Tu. and Th. at 10 and a third hour to be arranged. 3 points in Group III. [7]

PROFESSOR RICH.

✓ 70. AMERICAN PHILOSOPHY. A brief development of the Puritan tradition in America and of the political philosophy out of which our institutions have grown will preface a consideration of the great schools of philosophy and their recent American representatives, especially Royce, James, Santayana, Dewey, and the Neo-Realists.

Prerequisite, Courses 1 and 4, or 61-62, except by special permission. Tu. and Th. at 10 and a third hour to be arranged. 3 points in Group III. [7]

PROFESSOR RICH.

✓ 72. GERMAN IDEALISM. A study of the fundamental doctrines of the idealist philosophers Leibniz, Kant, Fichte, Schelling, Hegel and Schopenhauer.

Special reference will be made to the social, religious and political influence of these thinkers in Germany, England, and America. Mention will be made of the British thinkers T. H. Green and F. H. Bradley, and of the American philosopher Josiah Royce. Reading of original sources will take precedence over secondary material.

Tu. and Th. at 11 and a third hour to be arranged. 3 points in Group III. [8]

MR. J. E. SMITH.

91, 92. AMERICA AND THE FUTURE—SCHEMES FOR A BETTER WORLD.

This course may count toward a major in philosophy and in other subjects with the consent of the department concerned. For full description see page 46. 4 or 6 points. [0]

PROFESSORS PARKHURST and RICH with the collaboration of MR. SMITH and guest speakers.

[116. PHILOSOPHIES OF SPACE AND TIME. A study of these two all-embracing categories for their speculative interest in the context of religious and philosophic thought and for their imaginative and emotional significance in esthetic experience. The topics to be considered include problems of space and time in Greek, medieval, and later philosophy; measurement of time in lunar and solar calendars associated, at the outset, with religious systems; and the expansion of spatial and temporal horizons resulting from a progressive recovery of the past, a more far-reaching anticipation of the future, and explorations of the earth and the heavens.

Open to seniors and, on written permission, to qualified juniors. 2 points in Group I or III. Not given in 1947-48.]

PROFESSOR PARKHURST.

✓ 136. SOCIAL AND POLITICAL PHILOSOPHY. The social background and the moral foreground of politics with special reference to Democracy and its current competitors with emphasis upon the relevant literary classics in the western world.

Open to juniors and seniors. W., 3-5. 3 points in Group III. [10]

PROFESSOR T. V. SMITH.

[145. THE MEDIEVAL SYNTHESIS. The philosophy of St. Thomas Aquinas, the Gothic Cathedral, and the Divine Comedy considered as three great expressions of the medieval mind and as interrelated masterpieces in which ancient symbolism, the classical heritage, and Christian doctrine were fused and harmonized.

Open to seniors and, on written permission, to qualified juniors. 3 points in Group I or III. Not given in 1947-48.]

PROFESSOR PARKHURST.

See also *Medieval Studies*, page 46, and *American Studies* 13-14, page 43.

PHYSICAL EDUCATION

MARION STRENG, A.M., Assistant Professor of Physical Education
MARGARET HOLLAND, A.M., Assistant Professor of Physical Education,
Executive officer

LELIA M. FINAN, A.M., Associate in Physical Education

FERN YATES, A.M., Instructor in Physical Education

CORINNE BIZE, A.M., Instructor in Physical Education

ELEANOR JORDAN MASON, A.B., Instructor in Physical Education

MARION WEBER, A.M., Instructor in Physical Education

The Program. The program for Health, Physical Education and Recreation at Barnard College is organized and supervised by the Department of Physical Education, the Medical Department and the Executive Board of the Athletic Association to serve the interests, needs and capacities of the students.

The Aim. The *ultimate* aim of the Medical and Physical Education Departments in its program is to equip each student with knowledges, skills, habits and attitudes concerning health, physical activity and recreation. Participation in such a program should insure for her the optimum in "fitness for living", a variety of motor skills and an enjoyment of activities for their recreational and leisure time values.

The Medical and Physical Examination. All new students are given a complete medical and physical examination upon entering college; at the end of the first year; and during the first semester of the senior year. The results of this examination are expressed in terms of health and activity grades.

All students previously enrolled are required to report to the office of the college physician for *medical inspection* upon returning to college in the fall of each year.

Prescribed Costume. All students are required to wear the regulation costume indicated for the various activities classes. Approximate cost \$9.00. For further information see syllabus.

The Requirement. The Barnard College Faculty requires Physical Education throughout the college course. Failure to complete this requirement may result in the postponement of the degree.

Freshman and sophomore requirement is three hours per week on different days.

During the first semester freshmen are required to take a prescribed course in Body Mechanics and Rhythmic Fundamentals. M. and W. at 10 (I), 11 (II), 2 (III), 3 (IV). Two hours credit toward the requirement.

Junior and senior requirement is two hours per week on different days.

Senior Exemption. During the second term of the senior year, seniors may be exempt from any further regular Physical Education activity provided certain objectives are fulfilled. *See syllabus for details.*

Program of Activities. Two seasons each semester. Except for two hours which are prescribed for freshmen during the first semester, all students elect their $3\frac{1}{2}$ hours of activity depending upon their health—activity status and

special interests. Those interested in "Senior Exemption" must keep in mind that choices of electives must be made from each of the four groups of activities.

Fall and Spring: Archery, 3 Canoeing, Deck Tennis, Golf, 2 Hockey, Riding, 1 Six Passes, Softball, 1 Swimming, Tennis, and Volley Ball.

Winter; both semesters: American Square-Country Dance, Badminton, Basketball, Body Mechanics, 4 Bowling, 3 Canoeing, Conditioning Exercises, Correctives, Diving, 4 Fencing, Folk Dance, Fundamentals, Greek Games Athletics and/or Dance, Modern Dance, Red Cross Life Saving, Riding, 1 Six Passes, 1 Swimming, Water Ballet.

In all of these activities students are advised to register according to their skill level, i.e. beginning, intermediate and advanced.

1—offered throughout the year.

2—fall term only.

3—no particular season.

4—not open to Freshmen—limited facilities—preference to upperclassmen.

Barnard College does not offer a major course in the field of Physical Education. Students who are interested in this field as a profession are advised to consult a member of the Department for suggestions as to curriculum.

The June Camp Leadership Course at Barnard College Camp aims to train students who are interested in the organization and conduct of Barnard College Camp. A fee of \$20.00 is charged for the two-weeks period. This is an entirely voluntary course and is not a part of the Physical Education program.

101, 102. DANCING, SPORTS, GAMES, AND SWIMMING for women graduate students under the Faculties of Philosophy, Political Science, and Pure Science, and women students in the professional schools of the University (excepting Teachers College). All regular sections are open, provided the registration is not already filled by undergraduate students. Graduate students who wish credit must take work in classes in which instruction is given and should avoid "open hour" sections.

3 hours. 2 points.

PHYSICS

HENRY A. BOORSE, Ph.D., Associate Professor of Physics,

Executive officer

———, Assistant Professor of Physics

A major in physics. Students majoring in physics will be required to take: *Physics.* Courses to be arranged in consultation with the department.

Other fields. Mathematics: through the differential and integral calculus and, if possible, differential equations. Two semesters of calculus should be completed by the beginning of the junior year. Chemistry: One year's work. A reading knowledge of French and German. A course in the biological sciences is recommended.

11-12. GENERAL PHYSICS. Full-year course.

Premedical students are advised to take the course for 9 points. Preceding or parallel, mathematics through trigonometry. Open to all students. Lectures: M., W. and F. at 11. Laboratory: For students electing 8 points, 2 hours each session; for students electing 9 points, 2 hours winter session, 4 hours spring session. M., 2-4; Tu., 9-11, 2-4; Th., 1-3 and, if more than 56 students elect the course, F., 2-4 .8 or 9 points. [3]

PROFESSOR BOORSE and _____.

11a-12a. GENERAL PHYSICS. Lectures identical with those of Course 11-12. No laboratory work. Full-year course.

To follow or parallel a laboratory science. M., W. and F. at 11. 6 points in Group II. [3]

PROFESSOR BOORSE and _____.

17. MODERN PHYSICS. An elementary survey of the development of atomic theory from Dalton up to the present time, with special emphasis on the Rutherford-Bohr atom and its modification as demanded by contemporary advances. A brief treatment is then given of ionization of gases, spectroscopy, photoelectricity, X-rays, radioactivity, isotopes, cosmic rays, and transmutation of the elements.

Prerequisite, Course 11-12. M., W. and F. at 2. 3 points. [5]

PROFESSOR BOORSE.

20. PHOTOGRAPHY. The theories of optics as applied to photography and photomicrography. The principles of still and motion picture photography; infrared, ultra-violet and X-ray photography. The theory of color photography.

Prerequisite, Course 11-12, except on written permission of the instructor.

Lecture: Tu. at 11 and Laboratory (4 hours) on Th. 3 points. [8]

_____.

21. RADIO AND ELECTRONICS. An elementary course dealing with the fundamentals of radio, the properties of vacuum tubes and their application in typical radio circuits.

Prerequisite, Course 11-12 or written permission of the department.

Lecture: Th. at 3 and laboratory (4 hours) Tu., 2-4 and Th., 1-3. 3 points.

_____.

31. MECHANICS.

Prerequisite, Course 11-12 and Mathematics 31, except on written permission of the department. M., W. and F. at 1, and 2 hours of laboratory work. 4 points. [4]

_____.

34. LIGHT.

Prerequisite, Course 11-12. M., W. and F. at 10, and 2 hours of laboratory work. 4 points. [2]

_____.

36. ELECTRICITY AND MAGNETISM.

Prerequisite, Course 11-12. Preceding or parallel, Mathematics 31-32. M., W. and F. at 1, and 2 hours of laboratory work. 4 points. [4]

PROFESSOR BOORSE or _____.

37, 38. SUPPLEMENTARY LABORATORY WORK in mechanics, heat, light or electricity, electronics and the properties of vacuum tubes may be arranged in consultation with the instructors.

Hours and credit by arrangement. [0]

PROFESSOR BOORSE and ———.

40. HEAT AND INTRODUCTION TO THERMODYNAMICS.

Prerequisite, Courses 31 and 36, except on written permission of the department. Preceding or parallel, Mathematics 31-32. Hours to be arranged. 3 points.

PROFESSOR BOORSE.

65, 66. SELECTED TOPICS IN MODERN PHYSICS. A seminar course in mathematical physics open to those students who have completed the departmental offering, or to specially qualified students who wish to investigate in detail one field of physics or one line of current research.

Open only on written permission of the department. Hours to be arranged. 6 points.

PROFESSOR BOORSE or ———.

PORTUGUESE

MARÍA DE LOURDES SA PEREIRA, A.M., Lecturer in Portuguese

1-2. ELEMENTARY FULL-YEAR COURSE. Grammar, reading of Portuguese and Brazilian authors, oral reports, and conversation.

This course may not be taken parallel to Italian 1-2 or Spanish 1-2. M., W. and F. at 3.6 points. [10]

MRS. SA PEREIRA.

3, 4. INTERMEDIATE COURSE. Review of grammar and study of outstanding works in Portuguese and Brazilian literatures.

M., W. and F. at 2.6 points. [5]

MRS. SA PEREIRA.

PSYCHOLOGY

HARRY L. HOLLINGWORTH, Ph.D., LL.D., Professor of Psychology,
Emeritus

RICHARD PARDEE YOUTZ, Ph.D., Assistant Professor of Psychology,
Executive officer

S. STANSFELD SARGENT, Ph.D., Assistant Professor of Psychology

BERNICE M. WENZEL, A.M., Instructor in Psychology

KATHARINE PEASE, A.M., Instructor in Psychology

IRMA SILVER, A.B., Assistant in Psychology

A major in psychology will satisfy the requirement in Group II. Students majoring in this subject must satisfy the 14-point requirement in Group III in subjects other than psychology. For other students, courses in psychology will count toward the requirement in the group indicated for each course by the statement made in connection with the point value.

A major in psychology. Students majoring in psychology will be required to take:

Psychology. Courses 1 or 1R, 7-8, 58 or a second course (total 6 points) in philosophy, and the additional points with the advice of the department.

Other fields. One course in philosophy (3 points); one year (8 points) in another laboratory science and an organized program in other fields to be arranged in consultation with the department.

Sequence of courses:

Courses 1 or 1R, 9, 12, 19 or 27, 23, 26, 28 make a good grouping for students interested in education.

Courses 1 or 1R, 9, 12, 19 or 27, 22, 23, 26, 28, 37 meet the interest of students in the social sciences, social work, business, and practical affairs.

Courses 1 or 1R, 7-8, 9, 12, 19, 22, 48, 58 constitute a good background for more advanced work in psychology and related fields.

Psychology majors who wish to prepare for welfare work should consult the department for details of the special program of courses in psychology and sociology. A course for Recreation Aides is given by the Department of Physical Education.

1 (or 1R). INTRODUCTION TO PSYCHOLOGY. An introduction to the chief facts, principles, and problems of normal adult psychology, through systematic study of a text, lectures, exercises, and reading in special fields. This course is prerequisite for all other courses in psychology and in education.

4 points either session in Group III. [11]

Winter session: 1—M., W. and F. at 9 (I). M., W. and F. at 10 (II). Tu., Th. and S. at 9 (III) for freshmen only. Tu., Th. and S. at 10 (IV).

Spring session: 1R—M., W. and F. at 9 (I). M., W. and F. at 10 (II). Tu., Th. and S. at 10 (III) for freshmen only.

PROFESSOR SARGENT and MISSES WENZEL and PEASE.

7-8. EXPERIMENTAL PSYCHOLOGY. The course presents the chief problems, methods, and results of experimental psychology. Each student conducts a series of typical individual experiments, participates in certain group experiments, prepares systematic reports of results, and is introduced to the literature of experimental psychology. Full-year course.

Prerequisite, Course 1 or the equivalent. (Written permission required for specific section.) 8 points in Group II. [11]

W. and F., 1-4 (I) limited to 18 students.

M. and W., 1-4 (II) limited to 10 students.

Tu. and Th., 2-5 (III) limited to 18 students.

Tu. and Th., 2-5 (IV) limited to 12 students.

M., 1-4 and F., 1-4 (V) for non-majors. Limited to 12 students.

PROFESSORS YOUTZ and SARGENT and MISSES WENZEL and PEASE.

9. PSYCHOMETRIC METHODS. Designed to acquaint students with quantitative methods in psychology and allied subjects. Topics included are a review of basic statistics, psychological scaling methods, statistical estimation and pre-

diction, testing hypotheses, measuring reliability and validity, and theory of test construction.

Prerequisite, Course 7-8. No credit allowed students who have taken Economics 18. M., W. and F. at 11. 3 points in Group II. [3]

MISS PEASE.

12. PSYCHOLOGICAL TESTS. An introduction to standardized scales of mental measurement through demonstration of their nature, use and interpretation, and practice in their administration. Each student must arrange to bring at least one child to the college for examination for at least one afternoon laboratory period.

Prerequisite, Course 7-8. Tu. at 2 and Th., 2-5. 3 points in Group II. [9]

MISS WENZEL.

19. DEVELOPMENTAL PSYCHOLOGY. A survey of mental origins, of the developmental stages of human life through infancy, childhood, youth, maturity, and old age, with special reference to biological, psychological, and social factors in individual growth and adjustment and to the formulation of general developmental laws.

Open to juniors and seniors who have had Course 1 or the equivalent. Cannot be elected if Course 27 is taken. Tu. and Th. at 11 and consultations in connection with work for the third point. 3 points in Group II. [8]

MISS WENZEL.

22. ABNORMAL PSYCHOLOGY. A general survey of the field of psychopathology, the history of the subject, the more common forms of mental inadequacy and disturbance and their psychological interpretation, including the principles of mental hygiene and psychotherapy.

Open to juniors and seniors who have had Course 19 or 27. Tu. and Th. at 11 and consultations in connection with work for the third point. 3 points in Group II. [8]

PROFESSOR SARGENT.

23. APPLIED PSYCHOLOGY. Applications of psychology to problems of vocational guidance and selection, personnel, industrial efficiency, advertising and selling, clinical work, detection and treatment of delinquents and criminals, and other problems of practical interest.

Prerequisite, Course 1 or the equivalent. Tu. and Th. at 10. 2 or, with written permission of the instructor for additional conference hour, 3 points in Group II. [7]

PROFESSOR YOUTZ.

26. PSYCHOLOGY OF PERSONALITY. A survey of the contemporary methods and views of the description of the individual, including the factors in the development of personality and the practical aspects of personal adjustment in changing society. Attention is given to the contributions from experimental psychology.

Prerequisite, Course 1 or the equivalent. M. and W. at 9 and consultations in connection with work for the third point. 3 points in Group III. [1]

MISS PEASE.

27. **PSYCHOLOGY OF CHILDHOOD.** A detailed study of the practical problems of infancy and early childhood, with special emphasis on learning, emotional development, social adjustment, and modern conceptions and methods of child training and guidance. Individual work (six hours a week) as a teacher's assistant in a nursery school may be substituted for the term report, upon consultation with the instructor.

Prerequisite, Course 1 or the equivalent. Cannot be elected if Course 19 is taken. M., W. and F. at 10. 3 points in Group III. [2]

28. **PSYCHOLOGY OF ADOLESCENCE.** The mental, social, moral, and emotional development of adolescence and youth will be studied, special attention being given to such topics as guidance, adjustment, interests, motivation, home problems, sex relations, recreation, delinquency, and development for citizenship. Individual work with adolescent children.

Prerequisite, Course 19 or 27. Not open for credit to students who have taken or plan to take Education 53ES. M., W. and F. at 10. 3 points in Group III. [2]

37. **SOCIAL PSYCHOLOGY.** How the developing individual becomes socialized; effect of social factors upon habits, motives, attitude, and personality; influence of the group upon individual behavior; propaganda and public opinion; psychological aspects of social groups and institutions; psychological factors in social conflict. Significant research in the fields of psychology, sociology, and anthropology is surveyed and evaluated.

May count toward either a sociology or a psychology major. Prerequisite, Course 1 or Sociology 1-2. M., W. and F. at 3. 3 or, with additional conference hour to be arranged, 4 points in Group III. [10]

PROFESSORS SARGENT, ARENSBERG and KOMAROVSKY.

48. **INDIVIDUAL PROJECTS.** Qualified students will be guided and supervised in special projects or in the investigation of approved problems.

Open on written permission of the instructor only to major students who have had Course 7-8. Hours to be arranged. 2 points in Group II. [11]

PROFESSORS YOUTZ, SARGENT and MISSES WENZEL and PEASE.

58. **SYSTEMATIC PSYCHOLOGY.** A comparative, critical, and historical survey of the more influential points of view in psychology, with an endeavor to organize them into a consistent system of facts and principles. The instructor reviews contemporary viewpoints on selected representative topics and each student makes and reports studies of important psychological people, institutions, or movements.

Required of all major students except those electing 6 points in philosophy, and open to those who have had Course 7-8. Tu. and Th. at 10 and consultations in connection with work for the third point. 3 points in Group II. [7]

PROFESSOR SARGENT.

RECREATIONAL LEADERSHIP

MARGARET HOLLAND, A.M., Assistant Professor of Physical Education and CORINNE BIZE, and special lecturers from the Departments of Sociology and Psychology and from outside agencies which specialize in the fields of music, crafts, and story-telling essential in a recreation program.

1 (or 1R). INTRODUCTORY COURSE. This course is planned to give students an intelligent understanding and appreciation of the whole field of recreation. It consists of lectures, discussions, practice and participation in recreational activities such as community music, arts and crafts, informal dramatics, story-telling, games and other informal social activities.

Volunteer field work prescribed in *Psychology* 27, 28 and *Sociology* 22 may be accepted in this course.

Especially recommended and suggested is participation in extra-curricular activities which give practice and experience in programs related to recreation and social work.

M. and W. at 4. Additional hours arranged for field work. 2 points either session.

RELIGION

HORACE L. FRIESS, Ph.D.,¹ Associate Professor of Philosophy

URSULA M. NIEBUHR, M.A., (Oxon.), Lecturer in Religion,
Executive officer

JOHN E. SMITH, A.B., B.D., Instructor in Religion

A major in religion. Students majoring in religion will be required to take: 20 points in the department, the remainder of the 28 points for the major requirement to be taken from the related fields of philosophy, history and anthropology.

Students may combine work in other departments with their work in religion to make up a group of correlated courses, such as Hebrew (O.T.) and early Christian Religion, with ancient history, and philosophy or art; or comparative religion with philosophy and anthropology; the history of Christian thought with European history and medieval or modern literature or art. Certain of these courses may also count toward the requirement in Group I or Group II (see pages 27-28) and should be selected in consultation with the adviser.

✓ 1. 2. THE BIBLE. The history, literature and interpretation of the Old and New Testaments.

Winter session: The development of the religious ideas of the Old Testament, with reference both to the historical backgrounds and to the problems of expression involved. Study will be directed so that in addition to the general survey, each student should have particular knowledge of the struc-

¹ Officer of Columbia University giving courses in Barnard College.

ture and content of at least one historical book, one prophetic book, and one poetic or wisdom book.

Spring session: The thought and literature of the New Testament. The earliest records; a study of the Gospels in the making, and the content of the early preaching. St. Paul's letters; his theology and the development of the early church. The Book of Acts; the story of how the Gospel spread from Jerusalem to Rome. The Johannine Gospel and Epistles. The Gospel in a gentile world. Persecution and heresies. Other New Testament writings.

Tu. and Th. at 11 and extra conference hour. 6 points. [8]

MRS. NIEBUHR.

3, 4. A STUDY OF RELIGIONS. Forms which religion has taken in the past and is taking today will be illustrated and examined to clarify the general nature of religion and the diversity of its functions in the lives of individuals and societies. Illustrations will be taken from many cultures, thus giving an introduction to the general history of religions. Each student will also study more intensively the development of religion in some particular selected environment.

Open to all excepting freshmen. M. and W. at 3. 4 or, with written permission of the instructor, 6 points. [10]

PROFESSOR FRIESS.

5, 6. THE BACKGROUND AND EARLY DEVELOPMENT OF CHRISTIANITY. The world into which Christianity came. The Bible and early theology; Jewish and Hellenistic influences; the Church and the Roman empire; Heretics and Fathers, and the problems of a Christian philosophy.

Winter session: Second century Christianity, the developing tradition, and the Church in the world. The Biblical and Hellenistic elements in the teaching of the early fathers. The doctrines of creation, time and eternity; the doctrine of Christ and of salvation, and theories of redemption in eastern and western thought.

Spring session: The significance of S. Augustine. Classical and Biblical elements in his thought. His doctrines of sin and grace, and his philosophy of history.

Prerequisite, Religion 1, 2 or the equivalent. Tu. and Th. at 9, and conference hour. 6 points. [6]

MRS. NIEBUHR.

7, 8. REASON AND RELIGION. A discussion of the approaches of philosophic thought and religious faith to such themes as the idea of God, the problem of evil, human nature and destiny, time and eternity. The historical point of departure will be the situation in the west resulting from the break-down of the Medieval synthesis of reason and faith.

Tu. and Th. at 10, and conference hour. 6 points. [7]

MR. SMITH.

9, 10. RELIGION AND ISSUES OF CONTEMPORARY LIFE AND CULTURE. A study of the relation of Religion to the political, social and intellectual problems of the day. There will be considered the resources of religious insight, both in their

historical expression in the western tradition as well as in contemporary thought.

Winter session: Religion and Contemporary Culture. A discussion of the relations between religion, science and philosophy, with reference both to recent and contemporary thinkers. Readings from the following will be included: Bergson, James, Royce, Dewey, Montague, Temple, Hocking, Niebuhr and Maritain.

MR. SMITH.

Spring session: Religion and Contemporary Social Issues. The relation of Religion to the problems of social and political life. The historical development of democracy and nationalism, and the relation of religious forces and presuppositions to that development. The struggle for social and economic justice, and the variety of religious positions thereupon. Religion and the ethics of social change.

MRS. NIEBUHR.

Open to all excepting freshmen. 2 or 3 points. Th., 1-3. [9]

11, 12. SPECIAL READING. A sequence of readings from a common list of basic books in the field of religion, and from important works bearing on the individual student's particular line of study in conjoined courses.

For majors in religion. Open to others by special permission only in connection with other work in religion. Conference hours to be arranged. 4 points. [0]

PROFESSOR FRIESS, MRS. NIEBUHR, and MR. SMITH.

13, 14. SYMPOSIUM: INTERPRETERS OF LIFE. The course assembles major historians, poets, and philosophers, whose works are great commentaries on western life and institutions. The aim is to introduce students to a wide range of ideas through primary sources basic for later studies of society and culture, as well as of religion and philosophy. A list of the readings for 1947-48, which extend from ancient to contemporary times, may be consulted in the college library, under the title, "Interpreters of Life."

Open to all classes. Majors in religion, electing this course, are advised to do so early in their sequence. Tu. and Th. from 3:10 to 4:25. 6 points.

PROFESSOR FRIESS, MR. SMITH and associates.

RENAISSANCE STUDIES

See *Interdepartmental Courses*, page 46.

RUSSIAN

1-2. ELEMENTARY COURSE. 3 hours of language analysis and 2 hours of oral practice weekly. This course familiarizes the beginner with the essentials of the spoken and written language; classroom instruction is devoted mainly to the study of grammar and to reading; oral practice sessions are held in small groups. Oral practice hours by arrangement.

M., W. and F. at 2. 8 points. [5]

3, 4. INTERMEDIATE COURSE. 3 hours of language analysis and 2 hours of oral practice weekly. A review of the fundamentals of grammar is followed by an analysis of more complex grammatical phenomena; composition, reading of moderately difficult texts, and oral practice groups.

Prerequisite: Russian 1-2 or its equivalent. Oral practice hours by arrangement. If sufficient enrollment is not obtained, the right to withdraw this course is reserved.

M., W. and F. at 3. 8 points. [10]

7. INTRODUCTION TO RUSSIAN LITERATURE. *Winter session:* This course will require representative readings in English of the principal Russian novels and dramas of the nineteenth century,—Gogol, Dostoyevsky, Turgenev, Tolstoy, etc., and lectures on the literary contributions of these men.

M. and W. at 11. 2 points. [3]

PROFESSOR SIMMONS.

SLAVIC LANGUAGES

Courses in various Slavic languages (Russian, Czech, Polish, and Serbocroatian) are given at Columbia University and are described in the Announcement of the School of General Studies and in the Announcement of the Faculty of Philosophy. These courses are open to properly qualified seniors, with the permission of the instructors and the Committee on Instruction of Barnard College. The following graduate courses are recommended as suitable for Barnard Seniors:

**Slavic Philology* 101. Slavic Peoples, their languages and civilization. PROFESSOR JAKOBSON. 3 points. *Winter session.*

**Russian* 108. Russian Literature of the Eighteenth Century. PROFESSOR MANNING. 3 points. *Spring session.*

**Russian* 133. (Russian Institute). Soviet Russian Literature. PROFESSOR SIMMONS. 2 points. *Winter session.*

**Russian* 134. (Russian Institute). The Drama and Theatre of Soviet Russia. PROFESSOR SIMMONS. 2 points. *Spring session.*

SEMITIC LANGUAGES

Courses in Hebrew and Arabic language, literature, and history, given at Columbia University and described in the Announcement of the Faculty of Philosophy, are, with the permission of the instructors and the Committee on Instruction of Barnard College, open to properly qualified seniors.

SOCIOLOGY

CONRAD M. ARENSBERG, Ph.D., Associate Professor of Sociology,
Executive officer

MIRRA KOMAROVSKY, Ph.D., Assistant Professor of Sociology
CORA KASIUS, B.A., Lecturer in Sociology

A major in sociology. Students majoring in sociology will be required to take: *Economics* 1, 2, 17 and other courses which will vary with the interests of

the students. With written permission of the department, one or more courses in allied subjects may be offered as part of the required 28 points. Only one introductory course may count toward the major.

Other social sciences. In view of the essential unity of the social sciences, every student majoring in sociology is required to take courses amounting to at least 12 points in two of the following departments: anthropology, economics, geography, government, history, philosophy, psychology, religion.

A major in economics and sociology. Students majoring in economics and sociology will be required to take:

Economics 1, 2, 13, 14, 17, 27, or 28; Sociology 1-2, and any two courses in sociology from the following list: 31, 32, 33, 34, 41, 42, and one additional course in either economics or sociology. Only one introductory course may count toward the major.

A major in government and sociology. Students majoring in government and sociology will be required to take three 3-point courses from the following list of courses in government: 1, 2, 3, 4, 23, 24, 49, 50 and three 3-point courses from the following list of courses in sociology: 1-2, 33, 34, 41, 42 and *Economics 17*, together with at least one additional course to be chosen from courses in either government or sociology.

Other social sciences. See requirement stated above. Sociology majors who wish to prepare for welfare work should consult the department for details of the special program of courses in psychology and sociology.

1-2. INTRODUCTION TO SOCIOLOGY. The elements of the social structure; customs, institutions and associations; group interests and group formations; social classes, the family, politics as conflict and compromise; analysis of social problems such as crime, race relations, problems of individual disorganization; problems of post-war reconstruction. Full-year course.

Open to all excepting freshmen. M. and W. at 11 and sections at one of the following hours: F. at 11 and Th. at 9 and 1. 6 points. [3]

PROFESSORS ARENSBERG and KOMAROVSKY.

[11. SOCIAL PSYCHOLOGY OF LEADERSHIP. The nature of leadership. Leadership in communities, primary groups, conflict groups, and associations. Leadership and social movements. Leadership in institutions of segregative care; the nature of highly organized relationships. Prestige and social distance. Ritual and leadership. Leadership in the subordinated or inmate group.

3 points. Not given in 1947-48.]

PROFESSOR ———.

21, 22. AN INTRODUCTION TO THE FIELD OF SOCIAL WORK. A description of types of social work found in present-day practice and an interpretation of main underlying principles; social work organizations and the various methods employed in meeting social problems.

Open to juniors and seniors. Th., 3-5 and a third hour to be arranged. 4 or 6 points. [12]

MISS KASIUS.

31, 32. THE FAMILY. The family in primitive and historic society; the Industrial Revolution and the evolution of the modern family; changes in family

functions, and the role of women, the growing instability, and other trends of change in the modern family; social interaction in the contemporary family; courtship; problems of marriage adjustment; the child in the family; family disorganization; current research; the effects of war on the family; probable direction of future change.

Prerequisite, Course 1-2 or Psychology 1 or 1R. Course 31 is prerequisite for Course 32. Tu., 2-4. 4 or 6 points. The work of the third point usually consists of a joint research project covering some phase of the subject. [9]

PROFESSOR KOMAROVSKY.

33. THE COMMUNITY 1. RURAL-URBAN SOCIOLOGY. The growth and structure of the community. Forms of the community in rural and urban life. Cultural, ecological, and institutional patterns in the growth of community life and organization in city and country. Social structure and processes exemplified in recent studies of communities in America and abroad.

Prerequisite, Sociology 1-2. M., W., F. at 2. 3 points. [5]

PROFESSOR ARENSBERG.

34. THE COMMUNITY 2. POPULATION, ETHNIC GROUPS, AND SOCIAL STRATIFICATION. The composition and distribution of populations, majority and minority groups, and social classes, particularly within the United States. Their roles in the structure of the community, their particular cultures, internal organization, and problems of individual adjustment.

Prerequisite, Sociology 1-2. Course 34 should be taken after Course 33, as the two courses make a year's continuity. Either may be taken alone and the two courses may be taken in any order. M., W., F. at 2. 3 points. [5]

PROFESSOR ARENSBERG.

41, 42. SOCIAL PROBLEMS AND SOCIAL MOVEMENTS. The natural history of social problems. Some selected social problems will be traced from their emergence through policy determination and the various stages of social reform. The social and psychological aspects of social movements. Types of resistances to social reform. Techniques of social reform. The course will draw upon historical material as well as the study of contemporary reform movements in selected fields of community organization.

Prerequisite, Sociology 1-2. Either half may be taken separately. Th., 1-3 and a third hour to be arranged. 2 or 3 points. [9]

PROFESSOR KOMAROVSKY.

97, 98. SOCIOLOGY SEMINAR.

Open only to seniors on written permission of the instructors. Hours and subjects to be arranged. 4 or 6 points. [0]

PROFESSORS ARENSBERG AND KOMAROVSKY.

PSYCHOLOGY 37. SOCIAL PSYCHOLOGY. How the developing individual becomes socialized; effect of social factors upon habits, motives, attitudes and personality; influence of the group upon individual behavior; propaganda and public opinion; psychological aspects of social groups and institutions; psychological factors in social conflict. Significant research in the fields of psychology, sociology, and anthropology is surveyed and evaluated.

Credit in either sociology or psychology. Prerequisite, Psychology 1 or 1R or Sociology 1-2. M., W. and F. at 3. 3 or, with additional conference hour to be arranged, 4 points in Group III. [10]

PROFESSORS SARGENT, ARENSBERG, KOMAROVSKY.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Faculty of Political Science.

SPANISH

AMELIA A. DE DEL RÍO, A.M., Assistant Professor of Spanish,
Executive officer

MARGARITA DACAL, A.M., Instructor in Spanish

EUGENIO FLORIT, LL.D., Instructor in Spanish

MARGARITA B. HOGAN, A.M., Instructor in Spanish

A major in Spanish. Students majoring in Spanish will be required to take:

Spanish. Courses 3, 4 or 5, 6, 13, 14, 15-16, 19, 22, and 23-24; and either 17-18, 25-26 or a more advanced course to be chosen in consultation with the department.

Other fields. Courses will vary with the special interest of the student and should be arranged in consultation with the major department.

LANGUAGE COURSES

1-2. ELEMENTARY FULL-YEAR COURSE. Grammar, reading, conversation.

Cannot count toward a major in Spanish and may not be taken parallel to Italian 1-2 or Portuguese 1-2. M., Tu., W., Th. and F. at 9 (I), at 2 (II), at 3 (III). 8 points. [17]

PROFESSOR DEL RÍO, MRS. DACAL and MRS. HOGAN.

3, 4. INTERMEDIATE COURSE. A rapid review of grammar and syntax, conversation, and reading and discussion of important works in Spanish and Spanish American literatures.

Sections II and III, only for students who have taken Spanish 1-2 at Barnard. Sections I and IV for freshmen and transfers. M., W. and F. at 9 (I), at ~~11~~ (II), at ~~1~~ (III) and at 2 (IV). 6 points. [17]

PROFESSOR DEL RÍO, DR. FLORIT, MRS. DACAL and MRS. HOGAN.

4R. INTERMEDIATE COURSE IN GRAMMAR AND COMPOSITION. PART II. The equivalent of *Course 4* given for students who have had three years of high school Spanish. Emphasis on oral self-expression and written translation.

M., W. and F. at 11. 3 points. [3]

MRS. DACAL and MRS. HOGAN.

4a. ADVANCED COURSE IN GRAMMAR AND COMPOSITION. Emphasis on original composition and translation from Spanish into English.

Prerequisite, Course 4 or 4R. M., W. and F. at 11. 3 points. [3]

MRS. DACAL.

✓ 5, 6. SPANISH COMPOSITION. Study of the style of modern authors, oral and written composition, and original writing of short stories, short plays and essays.

Prerequisite, Course 3, 4 or 4a. Tu. and Th. at 11. 4 points. [0]

DR. FLORIT.

5x, 6x. SPANISH COMPOSITION. Rapid review of grammar and intense translation from Spanish into English; sight reading and prepared translation.

Prerequisite, Course 3, 4 or 4a. Tu. and Th. at 11. 4 points. [8]

MRS. DACAL and MRS. HOGAN.

9-10. INTERMEDIATE SPANISH CONVERSATION. Full-year course.

Open only to students taking another Spanish course, either semester. Tu. at 2 (I), 3 (II), Th. at 1 (III), 2 (IV), 3 (V). 2 points. [0]

MRS. DACAL, MRS. HOGAN and MRS. ESCOBAL.

11-12. ADVANCED SPANISH CONVERSATION. Discussions and reports on Spanish subjects. Full-year course.

Prerequisite, Course 9-10. Open only to students taking another Spanish course, either semester. Th. at 1. 2 points. [0]

PROFESSOR DEL RÍO and DR. FLORIT.

LITERATURE COURSES¹

13, 14. THE CULTURE OF THE SPANISH COUNTRIES. *Winter session:* The history and culture of Spain. *Spring session:* The development of Spanish American culture.

Prerequisite, Course 3, 4 or 5, 6. Tu. and Th. at 10. 4 points. [7]

DR. FLORIT.

15-16. INTRODUCTION TO SPANISH LITERATURE. Lectures on the history of Spanish literature, reading, reports, and discussion of the outstanding works and authors up to the end of the nineteenth century. Full-year course.

Prerequisite, Courses 3, 4 or 4R, 4a or 5, 6. M., W. and F. at 10. 6 points. [2]

DR. FLORIT and MRS. HOGAN.

[17-18. THE SPANISH DRAMA OF THE GOLDEN AGE. *Winter session:* Reading and discussion of the medieval antecedents and the sixteenth-century theatre, including Lope de Vega. *Spring session:* The theatre after Lope de Vega with emphasis on Calderón. Full-year course.

Prerequisite, Course 15-16. 6 points. Not given in 1947-48.]

PROFESSOR DEL RÍO.

¹ All courses are conducted entirely in Spanish.

19. NINETEENTH CENTURY NOVEL.

Prerequisite, Course 13, 14 or 15-16. Tu. and Th. at 2. 3 points. [9]

MRS. DACAL.

22. CONTEMPORARY SPANISH LITERATURE. A study of outstanding authors from 1898 to the present day.

Prerequisite, Course 13, 14 or 15-16. Tu. and Th. at 2. 3 points. [9]

PROFESSOR DEL RÍO.

23-24. SPANISH AMERICAN LITERATURE. Lectures, reading and reports on the history of Spanish American literature up to the present time. Full-year course.

Prerequisite, Course 13, 14 or 15-16 except on written permission of the department. Tu. and Th. at 9. 4 points. [6]

DR. FLORIT.

25-26. CERVANTES. Lectures, reading and discussion of Cervantes' novels and theatre. Full-year course.

Prerequisite, Course 15-16. M., W. and F. at 1. 6 points. [4]

PROFESSOR DEL RÍO.

27, 28. SPECIAL READING. Discussion on assigned readings to coördinate and supplement the work done in other courses.

Open only to seniors. Hours to be arranged. 4 points.

PROFESSOR DEL RÍO, DR. FLORIT, MRS. DACAL, MRS. HOGAN.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Faculty of Philosophy.

All courses are conducted entirely in Spanish.

ZOOLOGY

LOUISE HOYT GREGORY, Ph.D.,¹ Professor of Zoölogy

FLORENCE DE LOISELLE LOWTHER, Ph.D., Associate Professor of Zoölogy,

Executive officer

JOHN A. MOORE, Ph.D., Associate Professor of Zoölogy

AUBREY GOREMAN, Ph.D., Assistant Professor of Zoölogy

INGRITH DEYRUP, Ph.D., Assistant Professor of Zoölogy

A major in zoölogy. Students majoring in zoölogy will be required to take:

Zoölogy. Course 1-2 and other courses in combination or in sequence which will vary with the individual interest and purpose of the student and should be arranged in consultation with the department.

Other fields. The work will vary with the special interest of the student and should be arranged in consultation with the major department.

¹ Absent on leave, spring session.

1-2. GENERAL ZOÖLOGY. An elementary course covering the general characteristics of living organisms, the major invertebrate phyla, the important parasites of man, the structure and development of the vertebrates, human physiology, heredity, and evolution. Full-year course.

Lectures: M., W. and F. at 9. Laboratory (4 hours): M., 1-5 (I), Tu., 2-6 (II), W., 1-5 (III), Th., 1-5 (IV), F., 1-5 (V). 10 points. [1]

PROFESSOR MOORE and ASSISTANTS.

1a-2a. GENERAL ZOÖLOGY. Lectures identical with those of 1-2. No laboratory work. Full-year course.

To follow or parallel: a laboratory science. M., W. and F. at 9. 6 points. [1]

PROFESSOR MOORE.

6. EVOLUTION OF MAN.

Prerequisite, Course 1-2. Tu. at 2 and Th., 2-4 at the Museum of Natural History. 3 points. [9]

PROFESSOR LOWTHER.

9-10. HUMAN BIOLOGY. An elementary course designed especially for students whose interests are not primarily zoölogical. Full-year course.

Open to students of all classes. Will not satisfy the requirement of a laboratory science. Lectures: Tu. and Th. at 10. Conferences and demonstrations. F., 2-4. Not open to students who have had or who may elect Zoölogy 1-2. 6 points. [7]

PROFESSOR LOWTHER.

13. HISTOLOGY AND HISTOLOGICAL METHODS.

Prerequisite, Course 1-2. Lectures: Tu. and Th. at 11. Laboratory and conferences (4 hours): W., 1-5, or Th., 1-5. 4 points. [8]

PROFESSOR GORBMAN.

14. EMBRYOLOGY AND EMBRYOLOGICAL METHODS.

Prerequisite, Course 1-2. Lectures: Tu. and Th. at 11. Laboratory (4 hours): W., 1-5 or Th., 1-5. 4 points. [8]

PROFESSOR GORBMAN.

61, 62. ADVANCED INVERTEBRATE AND VERTEBRATE MORPHOLOGY, PHYSIOLOGY, HISTOLOGY, AND EMBRYOLOGY.

Work will be planned to suit the needs of students after consultation with the instructors. Hours and credit by arrangement. [0]

PROFESSORS LOWTHER, MOORE, GORBMAN and DEYRUP.

71, 72. SEMINAR FOR SENIORS.

F., 1-3. 4 points.

97. COMPARATIVE MORPHOLOGY OF VERTEBRATES. Practical course in dissection with demonstrations.

Prerequisite, Course 1-2. (Courses 13, 14 are recommended.) Lectures: M., W. and F. at 10. Laboratory (6 hours): M. and W., 2-5 or Tu. and Th., 2-5. 6 points. [2]

PROFESSOR LOWTHER.

98. GENERAL PHYSIOLOGY. The physical characteristics and chemical composition of protoplasm. Fundamental biological properties of protoplasm. The relationship between living organisms and their environments.

Prerequisite, Course 1-2 and Chemistry 5-6. Lectures: M., W. and F. at 10. Laboratory (6 hours): M. and W., 2-5 or Tu. and Th., 2-5. 6 points. [2]

PROFESSOR DEYRUP.

122. ANIMAL ECOLOGY. A study of the interrelation between the organism and its environment. The field work will consist of a study of the local marine, terrestrial, and fresh water habitats.

Prerequisite, Course 1-2; a course in advanced invertebrate zoölogy is recommended. Lectures: Tu. and Th. at 9. Laboratory or a field trip will be held on Saturdays. Written permission of the instructor required. 4 points. [6]

PROFESSOR MOORE.

129. ENDOCRINOLOGY. Lectures will deal with the morphological, physiological and biochemical phenomena associated with endocrine function. Laboratory will provide an introduction to some of the basic experimental procedures in endocrinology.

Prerequisite, Courses 1-2 and 13. Organic chemistry recommended. Written permission of instructor required. Lectures: Tu. and F. at 3. Laboratory (4 hours): M., 1-5. 4 points.

PROFESSOR GORBMAN.

151. PHYSIOLOGY. General principles of mammalian physiology.

Prerequisite, Course 1-2 and organic chemistry. Lectures: M., W. and F. at 11. Laboratory (6 hours): Tu. and Th., 2-5. 6 points. [3]

PROFESSOR DEYRUP.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified students. A description of these courses will be found in the Announcement of the Faculty of Pure Science. The following are recommended:

*Zoölogy 101. General Zoölogy. PROFESSOR RYAN. 5 points.

*Zoölogy 105. Heredity. PROFESSOR DUNN. 3 points.

*Zoölogy 106. Evolution. PROFESSOR DOBZHANSKY. 3 points.

*G. S. Zoölogy 111. Evolution of Man. PROFESSOR MCGREGOR. 3 points.

EXAMINATION GROUPING OF BARNARD COLLEGE COURSES 1947-1948

Courses in Barnard College are arranged in examination groups in order to avoid conflicts on the examination schedule. These groups are indicated by Arabic boldface numerals in brackets immediately following the statement of points. *Group 0* includes courses which ordinarily do not have set examinations. No student may elect two courses in the same examination (except *Group 0*) *without making special arrangements through the Registrar's office for doing so.*

GROUP 1

M., W., and F. at 9
Botany 57 (M. and W. at 9)
Chemistry 41-42
Chemistry 41a
English 53, 54
History 5, 6
Italian 1-2
Latin 3, 4
Latin 21, 22
Mathematics 56
Mathematics 107
Psychology 26 (M. and W. at 9)
Zoölogy 1-2
Zoölogy 1a-2a

GROUP 2

M., W., and F. at 10
Chemistry 63, 64
Chemistry 105, 106
Economics 19, 20
English 57, 58
Fine Arts 41
Fine Arts 62
French 21-22
Geography 3
Geography 10
German 5, 6
Greek 11, 12
History 9, 10
History 25, 26
Mathematics 28
Mathematics 33
Mathematics 47
Philosophy 6
Philosophy 61-62
Physics 34
Psychology 27, 28
Spanish 15-16
Zoölogy 97, 98

GROUP 3

M., W., and F. at 11
Botany 55-56
Botany 62 (M. at 11)
Chemistry 65
Chemistry 150
Economics 27, 28
English 41-42 (M. and F. at 11 and third hour)
English 73, 74
Fine Arts 67
Fine Arts 91, 92
French 33, 34 (M. and W. at 11)
Geography 12
Geology 5
German 7, 8
Government 31, 32
Greek 25, 26 (W. and F. at 11)

Italian 17, 18
Mathematics 135, 136
Philosophy 3
Philosophy 22
Physics 11-12
Physics 11a-12a
Psychology 9
Russian 7 (M. and W. at 11)
Sociology 1-2 (M. and W. at 11 and third hour)
Spanish 4R
Spanish 4a
Zoölogy 151

GROUP 4

M., W., and F. at 1
Botany 151-152 (M. and W. at 1)
Chemistry 145, 146
English 61, 62
French 5R
French 5xR
French 25, 26
Government 1, 2
History 21-22
Latin 11, 12
Mathematics 24
Music 31-32
Physics 31
Physics 36
Spanish 25-26

GROUP 5

M., W., and F. at 2
American Studies 17, 18 (W., 2-4)
English 65, 66
Fine Arts 51, 52
French 13, 14
French 39-40 (M. and W. at 2)
French 41-42 (W. and F. at 2 and third hour)
Geology 27, 28 (M., W. and Th. at 2)
German 30 (M. and W. at 2)
German 51 (M. and W. at 2)
Government 23, 24
Greek 1-2
History 3-4
History 31, 32
Mathematics 33R
Music 5, 6
Physics 17
Portuguese 3, 4
Russian 1-2
Sociology 33, 34

GROUP 6

Tu. and Th. at 9
Anthropology 2 (Tu., 9-11, Th. at 9)
Botany 51-52
Botany 51a-52a
Classical Civilization 66

Classical Civilization 75
 Economics 15, 16 (Tu. and Th. at 9 and third hour)
 English 25-26 (Tu. and Th. at 9 and third hour)
 Geography 1-2 (Tu. and Th. at 9 and Th. at 1)
 History 37, 38
 Mathematics 7-8
 Philosophy 41-42
 Religion 5, 6 (Tu. and Th. at 9 and third hour)
 Spanish 23-24
 Zoölogy 122

GROUP 7

Tu. and Th. at 10
 Botany 64
 Chemistry 1-2 (Tu. and Th. at 10 and third hour)
 Chemistry 1a-2a (Tu. and Th. at 10 and F. at 1)
 Chemistry 5-6 (Tu. and Th. at 10 and F. at 1)
 Classical Civilization 49, 50
 Economics 17, 18 (Tu. and Th. at 10 and third hour)
 English 69, 70 (Tu. and Th. at 10 and third hour)
 English 77, 78 (Tu. and Th. at 10 and third hour)
 Fine Arts 1-2
 Fine Arts 72 (Tu. and Th. at 10 and Th. at 1)
 French 15, 16 (Tu. and Th. at 10 and third hour)
 Government 11, 12 (Tu. and Th. at 10 and third hour)
 History 17, 18 (Tu. and Th. at 10 and Th. at 3)
 History 33-34
 Philosophy 69, 70 (Tu. and Th. at 10 and third hour)
 Psychology 23
 Psychology 58 (Tu. and Th. at 10 and third hour)
 Religion 7, 8
 Spanish 13, 14
 Zoölogy 9-10

GROUP 8

Tu. and Th. at 11
 Botany 58
 Classical Civilization 77, 78
 Economics 13, 14 (Tu. and Th. at 11 and third hour)
 English 49, 50 (Tu. and Th. at 11 and third hour)
 English 67, 68 (Tu. at 9 and Tu. and Th. at 11)
 Fine Arts 65, 66 (Tu. and Th. at 11 and third hour)
 Geology 1, 2 (Tu. and Th. at 11, Th. at 1)
 Geology 1a, 2a (Tu. and Th. at 11, Th. at 1)
 Geology 15 (Tu. and Th. at 11, Tu., 2-4)
 German 25, 26
 Government 3, 4 (Tu. and Th. at 11 and third hour)
 Music 1a
 Music 1-2 (Tu. and Th. at 11 and Th. at 1)
 Philosophy 72 (Tu. and Th. at 11 and third hour)
 Physics 20 (Tu. at 11)
 Psychology 19 (Tu. and Th. at 11 and third hour)
 Psychology 22 (Tu. and Th. at 11 and third hour)
 Religion 1, 2
 Spanish 5x, 6x
 Zoölogy 13, 14

GROUP 9

Tu. and Th. at 2
 American Studies 16 (Th., 2-4)

Anthropology 14 (Tu. at 2 and Th., 1-3)
 Classical Civilization 53, 54
 Economics 4
 English 71, 72 (Tu. at 2 and Th., 2-4)
 English 76 (Th., 2-4)
 Fine Arts 75, 76 (Tu. and Th. at 2 and third hour)
 Geology 30 (Tu., 2-4)
 Government 25, 26 (Th., 1-3 and third hour)
 History 11, 12 (Tu. and Th. at 2 and third hour)
 History 39-40 (Tu. and Th. at 2 and third hour)
 Philosophy 45 (Tu., 2-4)
 Psychology 12 (Tu. at 2, Th., 2-5)
 Religion 9, 10 (Th., 1-3)
 Sociology 31, 32 (Tu., 2-4)
 Sociology 41, 42 (Th., 1-3)
 Spanish 19
 Spanish 22
 Zoölogy 6 (Tu. at 2, Th., 2-4)

GROUP 10

M., W., and F., at 3
 American Studies 13-14 (M., 2-4)
 American Studies 15 (M. at 3 and Th., 2-4)
 Anthropology 6 (W., 3-5)
 Botany 59 (M. and W. at 3)
 Botany 60 (M. at 3)
 Economics 21, 22
 Government 49, 50 (W., 3-5)
 History 41, 42
 Philosophy 136 (W., 3-5)
 Portuguese 1-2
 Psychology 37
 Religion 3, 4 (M. and W. at 3)
 Russian 3, 4

GROUP 11

Psychology 1 or 1R (Sections)
 Psychology 7-8 (Sections)
 Psychology 48 (Hours to be arranged)

GROUP 12

American Studies 3-4 (Tu., 4-6)
 Hygiene A (Sections)
 Sociology 21, 22 (Th., 3-5 and third hour)

GROUP 13

Government 7, 8 (Tu., 3-5)

GROUP 14

French 1-2 (Sections)
 French 3, 4 (Sections)
 French 4R (Sections)
 French 5, 6 (Sections)
 French 5x, 6x (Sections)
 French 7, 8 (Sections)

GROUP 15

German 1-2 (Sections)
 German 3, 4 (Sections)

GROUP 16

Philosophy 1 or 1R (Sections)

GROUP 17

Spanish 1-2 (Sections)
 Spanish 3, 4 (Sections)

GROUP 18

Economics 1, 2 (Sections)

GROUP 0

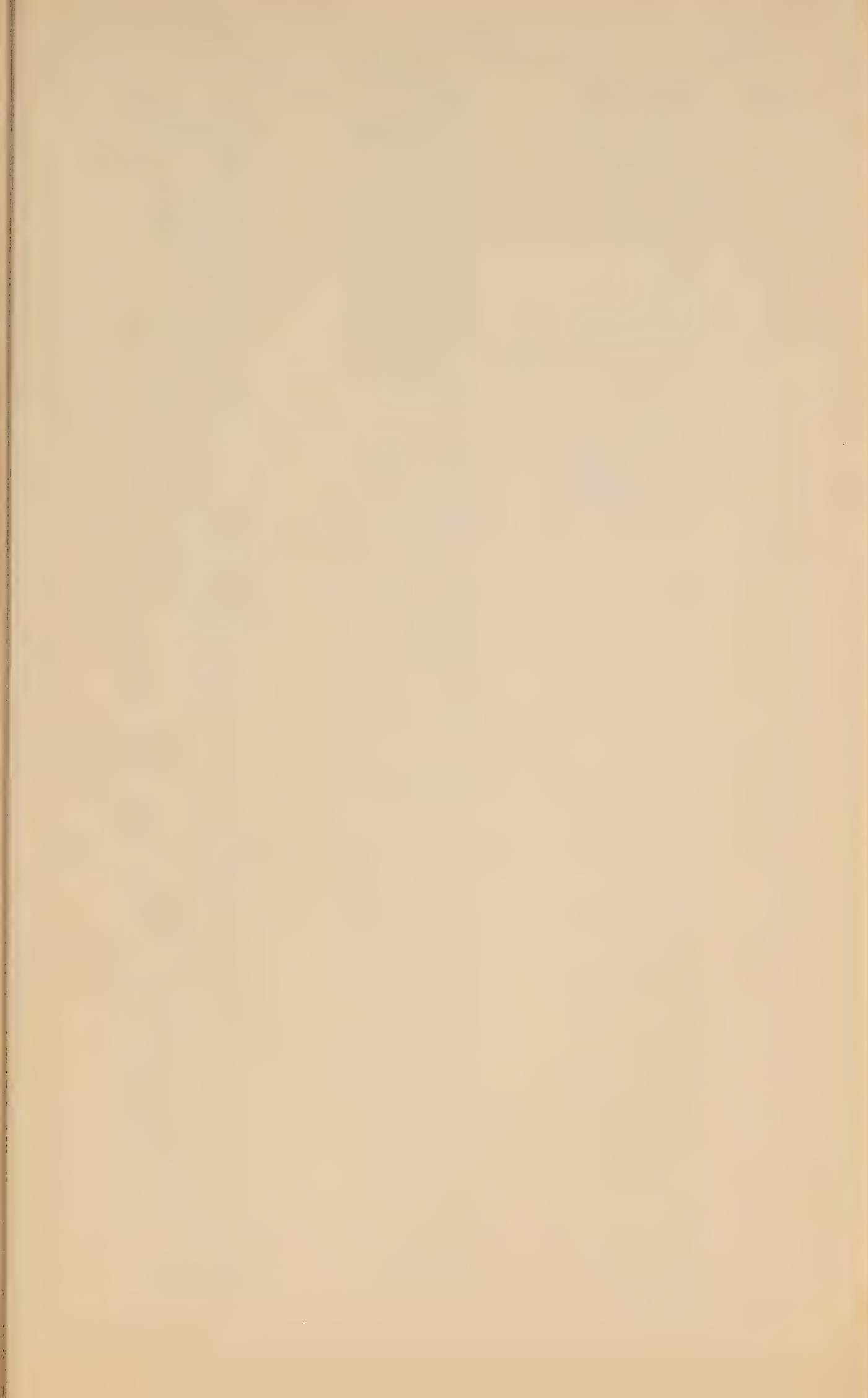
There is no restriction on courses in this group. They may be taken together or with courses in other groups, provided there is no conflict in class hours. *Group 0* includes courses which ordinarily do not have set examinations.

Botany 161, 162
Economics 51, 52
English A
English D
English 1, 2
English 5, 6
English 7, 8
English 11, 12
English 14
English 15, 16
English 21-22
English 23-24
English 27, 28
English 91, 92
Fine Arts 97-98
Foreign Area Studies 51-52
French 23
German 01-02
German 9, 10
Government 61, 62
Greek 19-20
Greek 29-30
History 45, 46
International Relations 81-82
Italian 3, 4
Italian 5, 6
Italian 19, 20
Italian 21, 22
Latin 19-20
Latin 29-30
Music 79, 80
Music 83, 84
Music 91, 92

Music 93, 94
Philosophy 24
Philosophy 53, 54
Philosophy 63, 64
Philosophy 91, 92
Physics 37, 38
Religion 11, 12
Sociology 97, 98
Spanish 5, 6
Spanish 9-10
Spanish 11-12
Zoölogy 61, 62

Courses for which examinations will be arranged later.

American Studies 1-2
Anthropology 52
Botany 160
Chemistry 157, 158
Economics 29
Economics 61, 62
English 83, 84
Fine Arts 78
French 19-20
Government 14
Government 15, 16
History 1-2
Mathematics 1 (or 1R)
Mathematics 22 (or 22R)
Mathematics 31-32
Mathematics 31R-32R
Physics 21
Physics 40
Physics 65, 66
Recreational Leadership 1 (or 2R)
Religion 13, 14
Spanish 27, 28
Zoölogy 71, 72
Zoölogy 129



SCHEME OF

Hours	MONDAY	TUESDAY	WEDNESDAY
A.M.	Botany 57 Chemistry 41-42 Chemistry 41a Economics 1, 2 (IV) English A (Ia) English 53, 54 French 1-2 (I) French 5, 6 (I) French 5x, 6x (I) French 7, 8 (I) German 1-2 (I) German 3, 4 (I) History 1-2 (I, III, IV) History 5, 6 Italian 1-2 Latin 3, 4 Latin 21, 22 Mathematics 1 (I) Mathematics 22R (I), 22 (I) Mathematics 31R (I), 56 Mathematics 107 Philosophy 1 (I) or 1R (I) Psychology 1 (I) or 1R (I) Psychology 26 Spanish 1-2 (I) Spanish 3, 4 (I) Zoology 1-2 Zoology 1a-2a	Anthropology 2 Botany 51-52 Botany 51a-52a Classical Civilization 66 Classical Civilization 75 Economics 15, 16 English 25-26 English 67, 68 French 1-2 (I) French 3, 4 (III, IV) Geography 1-2 German 1-2 (III, IV) German 01-02 (I) History 37, 38 Mathematics 1 (II) Mathematics 7-8 Mathematics 22 (II) Philosophy 1 (IV) or 1R (IV) Philosophy 41-42 Psychology 1 (III) Religion 5, 6 Spanish 1-2 (I) Spanish 23-24 Zoology 122	Botany 57 Chemistry 41-42 Chemistry 41a Economics 1, 2 (IV) English A (Ia) English 53, 54 French 1-2 (I) French 5, 6 (I) French 5x, 6x (I) French 7, 8 (I) German 1-2 (I) German 3, 4 (I) History 1-2 (I, III, IV) History 5, 6 Italian 1-2 Latin 3, 4 Latin 21, 22 Mathematics 1 (I) Mathematics 22R (I), 22 (I) Mathematics 31R (I), 56 Mathematics 107 Philosophy 1 (I) or 1R (I) Psychology 1 (I) or 1R (I) Psychology 26 Spanish 1-2 (I) Spanish 3, 4 (I) Zoology 1-2 Zoology 1a-2a
9	Chemistry 63, 64 Chemistry 105, 106 Economics 1, 2 (I) Economics 19, 20 English A (IIa, b, c) English 57, 58 Fine Arts 41, 62 French 5x, 6x (II) French 7, 8 (II, III) French 21-22 French 23 Geography 3, 10 German 5, 6 Greek 11, 12 History 1-2 (V) History 9, 10 (I, II) History 25, 26 Mathematics 1R, 28 Mathematics 33, 47 *Music 35-36 Philosophy 1 (II) or 1R (II) Philosophy 6 Philosophy 61-62 Physics 34 Psychology 1 (II) or 1R (II) Psychology 27, 28 Spanish 15-16 Zoology 97, 98	Anthropology 2 Botany 64 Chemistry 1-2 Chemistry 1a-2a Chemistry 5-6 Classical Civilization 49, 50 Economics 17, 18 English A (VIa, b) English 1, 2 English 69, 70 English 77, 78 Fine Arts 1-2 Fine Arts 72 French 15, 16 German 9, 10 Government 11, 12 History 1-2 (VII) History 17, 18 History 33-34 Philosophy 69, 70 Psychology 1 (IV) or 1R (III) Psychology 23 Psychology 58 Religion 7, 8 Spanish 13, 14 Zoology 9-10	Chemistry 63, 64 Chemistry 105, 106 Economics 1, 2 (I) Economics 19, 20 English A (IIa, b, c) English 57, 58 Fine Arts 41, 62 French 5x, 6x (II) French 7, 8 (II, III) French 21-22 French 23 Geography 3, 10 German 5, 6 Greek 11, 12 History 1-2 (V) History 9, 10 (I, II) History 25, 26 Mathematics 1R, 28 Mathematics 33, 47 *Music 35-36 Philosophy 1 (II) or 1R (II) Philosophy 6 Philosophy 61-62 Physics 34 Psychology 1 (II) or 1R (II) Psychology 27, 28 Spanish 15-16 Zoology 97, 98
10	Botany 55-56 Botany 62 Chemistry 65, 150 Economics 27, 28 English A (IIIa, b) English 21-22 (I) English 41-42 English 73, 74 Fine Arts 67 Fine Arts 91-92 French 1-2 (II) French 5, 6 (II) French 5x, 6x (III) French 33, 34 Geography 12 Geology 5 German 1-2 (II) German 7, 8 Government 31, 32 History 1-2 (II, VI) Italian 17, 18 Mathematics 135, 136 *Music 37-38 Philosophy 1 (III) or 1R (III) Philosophy 3, 22 Physics 11-12 Physics 11a-12a Psychology 9 Russian 7 Sociology 1-2 Spanish 3, 4 (II) Spanish 4R, 4a Zoology 151	*Astronomy 1-2 Botany 58 Classical Civilization 77, 78 Economics 1-2 (III) Economics 13, 14 English A (VIIa, b) English 49, 50 English 67, 68 Fine Arts 65, 66 French 1-2 (II) French 5, 6 (III) Geology 1, 2 Geology 1a, 2a Geology 15 German 01-02 (II) German 25, 26 Government 3, 4 History 1-2 (VIII) Hygiene A1-A2 (1) Music 1-2 Music 1a *Music 19, 20 *Music 23-24 *Music 39-40 Philosophy 72 Physics 20 Psychology 19, 22 Religion 1, 2 Spanish 5, 6 Spanish 5x, 6x Zoology 13, 14	Botany 55-56 Chemistry 65, 150 Economics 27, 28 English A (IIIa, b) English 21-22 (I) English 73, 74 Fine Arts 67 Fine Arts 91-92 French 1-2 (II) French 5, 6 (II) French 5x, 6x (III) French 33, 34 Geography 12 Geology 5 German 1-2 (II) German 7, 8 Government 31, 32 Greek 25, 26 History 1-2 (II, VI) Italian 17, 18 Mathematics 135, 136 *Music 37-38 Philosophy 1 (III) or 1R (III) Philosophy 3, 22 Physics 11-12 Physics 11a-12a Psychology 9 Russian 7 Sociology 1-2 Spanish 3, 4 (II) Spanish 4R, 4a Zoology 151
11			

Courses marked with an asterisk [*] are given at Columbia University;

ATTENDANCE

Hours	THURSDAY	FRIDAY	SATURDAY
A.M.	Anthropology 2 Botany 51-52 Botany 51a-52a Classical Civilization 66 Classical Civilization 75 Economics 15, 16 English 25-26 French 1-2 (I) French 3, 4 (III, IV) Geography 1-2 German 1-2 (III, IV) German 01-02 (I) History 37, 38 Mathematics 1 (II) Mathematics 7-8 Mathematics 22 (II) Philosophy 1 (IV) or 1R (IV) Philosophy 41-42 Psychology 1 (III) Religion 5, 6 Sociology 1-2 Spanish 1-2 (I) Spanish 23-24 Zoology 122	Chemistry 41-42 Chemistry 41a Economics 1, 2 (IV) English A (1a) English 53, 54 French 1-2 (I) French 5, 6 (I) French 5x, 6x (I) French 7, 8 (I) German 1-2 (I) German 3, 4 (I) History 1-2 (I, III, IV) History 5, 6 Italian 1-2 Latin 3, 4 Latin 21, 22 Mathematics 1 (I) Mathematics 22R (I), 22 (I) Mathematics 31R (I), 56 Mathematics 107 Philosophy 1 (I) or 1R (I) Psychology 1 (I) or 1R (I) Spanish 1-2 (I) Spanish 3, 4 (I) Zoology 1-2 Zoology 1a-2a	French 3, 4 (III, IV) Mathematics 1 (II) Mathematics 7-8 Mathematics 22 (II) Philosophy 1 (IV) or 1R (IV) Psychology 1 (III)
9			
10	Botany 64 Chemistry 1-2 Chemistry 1a-2a Chemistry 5-6 Classical Civilization 49, 50 Economics 17, 18 English A (VIa, b) English 1, 2 English 69, 70 English 77, 78 Fine Arts 1-2 Fine Arts 72 French 15, 16 German 9, 10 Government 11, 12 History 1-2 (VII) History 17, 18 History 33-34 Philosophy 69, 70 Psychology 1 (IV) or 1R (III) Psychology 23 Psychology 58 Religion 7, 8 Spanish 13, 14 Zoology 9-10	Chemistry 63, 64 Chemistry 105, 106 Economics 1, 2 (I) Economics 19, 20 English A (IIa, b, c) English 57, 58 Fine Arts 41, 62 French 5x, 6x (II) French 7, 8 (II, III) French 21-22 French 23 Geography 3, 10 German 5, 6 Greek 11, 12 History 1-2 (V) History 9, 10 (I, II) History 25, 26 Mathematics 1R, 28 Mathematics 33, 47 *Music 35-36 Philosophy 1 (II) or 1R (II) Philosophy 6 Philosophy 61-62 Physics 34 Psychology 1 (II) or 1R (II) Psychology 27, 28 Spanish 15-16 Zoology 97, 98	Chemistry 1-2 English A (VIa, b) English 83, 84 (10-12:30) History 1-2 (VII) Psychology 1 (IV) or 1R (III)
11	*Astronomy 1-2 Botany 58 Classical Civilization 77, 78 Economics 1, 2 (III) Economics 13, 14 English A (VIIa, b) English 49, 50 English 67, 68 Fine Arts 65, 66 French 1-2 (II) French 5, 6 (III) Geology 1, 2 Geology 1a, 2a Geology 15 German 01-02 (II) German 25, 26 Government 3, 4 History 1-2 (VIII) Music 1-2 Music 1a *Music 19, 20 *Music 23-24 *Music 39-40 Philosophy 72 Psychology 19, 22 Religion 1, 2 Spanish 5, 6 Spanish 5x, 6x Zoology 13, 14	Chemistry 65, 150 Economics 27, 28 English A (IIIa, b) English 21-22 (I) English 41-42 English 73, 74 Fine Arts 67 Fine Arts 91-92 French 1-2 (II) French 5, 6 (II) French 5x, 6x (III) Geography 12 German 1-2 (II) Geology 5 German 7, 8 Government 31, 32 Greek 25, 26 History 1-2 (II, VI) Italian 17, 18 Mathematics 135, 136 *Music 37-38 Philosophy 1 (III) or 1R (III) Philosophy 3, 22 Physics 11-12 Physics 11a-12a Psychology 9 Sociology 1-2 Spanish 3, 4 (II) Spanish 4R, 4a Zoology 151	English A (VIIa, b) English 83, 84 (10 to 12:30) French 5, 6 (III) History 1-2 (VIII)

those marked with a dagger [†] are given at Teachers College.

Hours	MONDAY	TUESDAY	WEDNESDAY
P.M.	Botany 151-152 Chemistry 145-146 *G. S. Drawing 1-2 (I) English A (IVa, b) English 21-22 (II) English 61, 62 French 5R French 5x, 6x (IV) French 5xR French 19-20 (I) French 25, 26 German 3, 4 (II) Government 1, 2 (I, II) History 21-22 Italian 3, 4 Latin 11, 12 Mathematics 24 Mathematics 31-32 *Music 31-32 Physics 31 Physics 36 Psychology 7-8 (II, V) Spanish 3, 4 (III) Spanish 25-26		Botany 151-152 Chemistry 145-146 English A (IVa, b) English 5, 6 English 21-22 (II) English 61, 62 French 5R French 5x, 6x (IV) French 5xR French 19-20 (I) French 25, 26 German 3, 4 (II) Government 1, 2 (I, II) History 21-22 Italian 3, 4 Latin 11, 12 Mathematics 24 Mathematics 31-32 *Music 31-32 Physics 31 Physics 36 Psychology 7-8 (I, II) Spanish 3, 4 (III) Spanish 25-26
1:10	American Studies 13-14 *G. S. Drawing 1-2 (I) Economics 1, 2 (II) English A (Va, b) English 5, 6 English 65, 66 Fine Arts 51, 52 French 3, 4 (I, II) French 4R French 13, 14 French 19-20 (II) French 39-40 Geology 27, 28 German 30 German 51 Government 23, 24 Greek 1-2 History 3-4 History 31, 32 Italian 19, 20 Mathematics 33R Music 5, 6 Physics 17 Portuguese 3, 4 Psychology 7-8 (II, V) Russian 1-2 Sociology 33, 34 Spanish 1-2 (II) Spanish 3, 4 (IV)	American Studies 1-2 Anthropology 14 Classical Civilization 53, 54 Economics 4 †Education 51ES †Education 54ES English 7, 8 English 23-24 English 71, 72 Fine Arts 75, 76 Geology 30 German 01-02 (III) Government 3, 4 Government 11, 12 History 11, 12 History 39-40 Hygiene A1-A2 (II) *Music 13-14 *Music 57, 58 *Music 73-74 Philosophy 45 Psychology 7-8 (III, IV) Psychology 12 Sociology 31, 32 Spanish 1-2 (II) Spanish 9-10 (I) Spanish 19 Spanish 22 Zoology 6	American Studies 17, 18 Economics 1, 2 (II) English A (Va, b) English 5, 6 English 65, 66 Fine Arts 51, 52 French 3, 4 (I, II) French 4R French 13, 14 French 19-20 (II) French 39-40 French 41-42 Geology 27, 28 German 30 German 51 Government 23, 24 Government 31 Government 62 Greek 1-2 History 3-4 History 31, 32 Italian 19, 20 Mathematics 33R Music 5, 6 Physics 17 Portuguese 3, 4 Psychology 7-8 (I, II) Russian 1-2 Sociology 33, 34 Spanish 1-2 (II) Spanish 3, 4 (IV)
2:10	American Studies 13-14 American Studies 15 Botany 59 *G. S. Drawing 1-2 (II) Economics 21, 22 English 15, 16 Government 61, 62 History 41, 42 Italian 1-2 Mathematics 22R (II) Mathematics 31R (II), 32R (I) *Music 131-132 Portuguese 1-2 Psychology 7-8 (II, V) Psychology 37 Religion 3, 4 Russian 3, 4 Spanish 1-2 (III)	American Studies 1-2 Anthropology 14 Economics 51-52 English 91, 92 (I) Fine Arts 97-98 Geology 30 German 01-02 (IV) Government 3, 4 Government 7, 8 Government 14 Latin 19-20 Music 13-14 Philosophy 45 Psychology 7-8 (III, IV) Religion 13, 14 Sociology 31, 32 Spanish 1-2 (III) Spanish 9-10 (II) Zoology 129	American Studies 17, 18 Anthropology 6 Botany 59 Economics 21, 22 English 15, 16 English 27, 28 English 91, 92 (II) Government 49, 50 History 41, 42 Mathematics 22R (II) Mathematics 31R-32R (II) Philosophy 136 Portuguese 1-2 Psychology 7-8 (I, II) Psychology 37 Religion 3, 4 Russian 3, 4 Spanish 1-2 (III)
3:10	Botany 60 *G. S. Drawing 1-2 (II) English 14 Italian 1-2 *Music 131-132 Recreational Leadership 1a or 1aR	American Studies 3-4 Economics 51, 52 English 11, 12 English 91, 92 (I) Fine Arts 97-98 Government 7, 8 Government 14 International Relations 81-82 Religion 13, 14	Anthropology 6 English 15, 16 English 27, 28 English 91, 92 (II) Foreign Area Studies 51-52 Government 49, 50 Philosophy 136 Recreational Leadership 1a or 1aR
4:10	English 14	American Studies 3-4 English 11, 12 International Relations 81-82	Foreign Area Studies 51-52
5:10			

Courses marked with an asterisk [*] are given at Columbia University;

ATTENDANCE

Hours	THURSDAY	FRIDAY	SATURDAY
P.M.	Anthropology 14 Botany 51-52 Botany 51a-52a *G. S. Drawing 1-2 (I) Economics 1, 2 (III) Fine Arts 72 French 7, 8 (I) Geography 1-2 Geology 1, 2 Geology 1a, 2a Government 3, 4 Government 25, 26 Hygiene A1-A2 (III) Italian 1-2 Latin 29-30 Music 1-2 *Music 23-24 Religion 9, 10 Sociology 1-2 Sociology 41, 42 Spanish 9-10 (III) Spanish 11-12	Chemistry 1-2 Chemistry 1a-2a Chemistry 5-6 Chemistry 145-146 English A (IVa, b) English 21-22 (II) English 61, 62 French 5R French 5x, 6x (IV) French 5xR French 25, 26 German 3, 4 (II) Government 1, 2 (I, II) History 21-22 Italian 3, 4 Latin 11, 12 Mathematics 24 Mathematics 31-32 *Music 31-32 Physics 31 Physics 36 Psychology 7-8 (I, V) Spanish 3, 4 (III) Spanish 25-26 Zoology 71, 72	
1:10			
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those marked with a dagger [†] are given at Teachers College.

STUDENTS' LOAN FUND

A Students' Loan Fund is maintained by the Associate Alumnae. From this fund loans are made at a low rate of interest to upper classmen in need of financial assistance for college tuition and residence fees. The maximum amount loaned to any one student is definitely limited. Loans are made on a single semester's basis, and applications must be presented for each semester. The principal and interest are to be paid on a quarterly basis within three years after graduation in the case of loans of \$200 or less and within five years in the case of all larger loans, no interest, however, being charged upon any principal repaid within six months after graduation. Inquiries may be made of the Alumnae Secretary in the Associate Alumnae Office, Riverside Building, or addressed to Mrs. David S. Muzzey, 492 Van Cortlandt Park Avenue, Yonkers 5, N. Y.

The operation of this fund as a revolving loan fund, as distinct from the special scholarship funds mentioned below, makes it possible to keep the capital in continuous use by successive generations of students. The committee does not deem it advisable to lend a very large amount to any one student, as it has found in its experience over the last few years that repayments proved a burden on the borrowers, particularly if the time schedule of repayment cannot be maintained and interest accumulates. However, the committee desires to make the fund as helpful as possible and wishes to have students in need of assistance apply to it freely and consult with the committee as to possible methods of meeting their financial difficulties.

SCHOLARSHIPS, GRANTS-IN-AID, LOANS

PURPOSE. The College desires that no student of exceptional ability shall be kept away from Barnard because her family has only moderate means. To aid students financially, there are Scholarships, Grants-in-aid, a Loan Fund (see above) and provisions in the Occupation Bureau (see page 150) for enabling girls to earn a little money toward their personal expenses.

SCHOLARSHIPS. Scholarships are awarded annually on a competitive basis by the Faculty Committee on Scholarships to full-time students of high scholarly ability, excellent character, and promise of future usefulness, who are in need of aid.

For resident students—that is, those who live in Brooks or Hewitt Halls—they range in value from \$150 to \$700 a year.

For students who do not live at the College, they range in value from \$50 to \$300.

If a student fails to maintain an average of at least B in her work, or if for any other reason she shows herself an unsatisfactory scholar, she may forfeit her scholarship and be ineligible for reelection the following term.

GRANTS-IN-AID. Grants-in-aid are awarded by the Faculty Committee on Scholarships to deserving and needy students to help them to enter or to remain in college. No student whose record falls below an average of C will ordinarily be considered eligible for such a grant.

RESIDENCE GRANTS. Residence grants are awarded by the Faculty Committee on Scholarships to enable students to live in the residence halls. They range in value from \$25 to \$300.

APPLICATIONS FROM STUDENTS IN COLLEGE. On or before the first of March of each year all applications for scholarships, grants-in-aid, and residence grants must be filed at the Dean's office upon special blanks to be obtained there.

APPLICATIONS FROM ENTERING STUDENTS. On or before the first of March applications for scholarships should be in the hands of the Committee on Admissions. Blanks for this purpose may be obtained in the Office of Admissions.

Applicants are required to take the Scholastic Aptitude and Achievement Tests of the College Entrance Examination Board in April, unless they are applying for admission with advanced standing from another institution.

Except for a very few special scholarships, students should not apply for scholarships by name, but should merely indicate the minimum sum needed.

SCHOLARSHIP AWARDS. Applicants will be informed by the Chairman of the Committee on Scholarships as soon as awards have been made. Applicants receiving awards are requested to inform the Dean's office *immediately*, in writing, if they do not intend to use the funds awarded.

Holders of scholarships, grants-in-aid, and residence grants are requested to file with the Bursar *at the time of registration* a scholarship certificate to be obtained from the Secretary to the Dean.

COMPETITIVE ENTRANCE SCHOLARSHIPS

BROOKLYN SCHOLARSHIPS (\$150 EACH). Founded in 1895 by the Trustees of Columbia University in recognition of the gift to Columbia University by President Seth Low of a memorial building for the University Library. Open to students resident in Brooklyn and prepared in a Brooklyn school.

LUCILLE PULITZER SCHOLARSHIPS (\$300 to \$700 EACH). Founded by the late Joseph Pulitzer in memory of his daughter, Lucille Pulitzer.

Three are restricted to students from the City of New York; eight are for resident students.

JESSIE KAUFMANN SCHOLARSHIP. The income of a fund of \$4,000. Founded in 1902 by Mr. Julius Kaufmann in memory of his daughter, Jessie Kaufmann. Awarded on the merits of the entrance examinations to a student who, after careful investigation, is found to have no relative able to assist her financially. It may be held for the entire college course.

MARTHA T. FISKE SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1911 by Miss Anna E. Smith, in memory of her sister, Mrs. Martha T. Fiske-Collord. It is awarded, on the basis of scholarly ability and general character, to some deserving candidate not a resident of New York City or its suburbs.

CARPENTIER RESIDENCE SCHOLARSHIPS (\$400 to \$700 EACH). Founded in 1919 with a bequest from the late Horace W. Carpentier. Awarded annually to students who are not residents of New York City or its vicinity.

GENERAL SCHOLARSHIPS

ELLA WEED SCHOLARSHIP. The income of a fund of approximately \$3,600. Originally established in 1895 by the pupils and alumnae of Miss Anne Brown's School in memory of Miss Ella Weed, who was chairman of the Academic Committee of the Board of Trustees of Barnard College during the first five years of its existence.

JENNIE B. CLARKSON SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1898 by the late Mrs. W. R. Clarkson.

EMILY JAMES SMITH SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1899 by the late Miss Emily H. Bourne in honor of Miss Smith, then Dean of Barnard College.

ANNA E. BARNARD SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1899 by the late Miss Emily H. Bourne in honor of Mrs. John G. Barnard.

BREARLEY SCHOOL SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1899 by pupils and former pupils of the Brearley School.

ELIZA TAYLOR CHISHOLM MEMORIAL SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1901 by the Alumnae Association of Miss Chisholm's School, which Association reserves the privilege of precedence for such candidates as it may recommend.

EMMA HERTZOG SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1904 by gifts from residents of Yonkers, N. Y.. It is awarded, in conference with the faculty of the Yonkers High School, to a graduate of that school who is entering Barnard College.

VELTIN SCHOOL SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1905 by the alumnae of Mlle. Veltin's School.

MRS. DONALD McLEAN SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1906 by the New York City Chapter of the Daughters of the American Revolution. It is awarded, in conference with a representative of the Chapter, to a deserving student who agrees to pursue the study of history (chiefly that of the United States) continuously throughout her college course.

GRAHAM SCHOOL SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1907 by the Graham Alumnae Association.

MRS. HENRY CLARKE COE SCHOLARSHIP. The income of a fund of \$3,600. Founded in 1910 by the National Society of New England Women, now the New York City Colony of the National Society. It is awarded, on the nomination of the chairman of the Scholarship Committee of the New York City Colony, to a student from New England or of New England parentage, and after the award is once made the Society requires from the beneficiary full obedience to discipline and the highest ideals of scholarship. This may be awarded to an entering freshman.

EMMA A. TILLOTSON SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1910 by the late Mrs. Luther G. Tillotson. It is awarded at the end of the freshman year to a student of exceptionally high standing, and may be held for three years, provided the recipient continues to maintain a high rank. It will be awarded in 1948 and 1951.

ELEONORA KINNICUTT SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1911 in memory of Mrs. Francis P. Kinnicutt, who was a Trustee of Barnard College. It is awarded at the end of the freshman year to a student of exceptionally high standing, and may be held for three years, provided the recipient continues to maintain a high rank. It will be awarded in 1948 and 1951.

WILLIAM MOIR SCHOLARSHIPS. The income of a fund of \$10,000. Founded in 1912 by the late Mrs. William Moir, in memory of her husband.

MARY BARSTOW POPE SCHOLARSHIP. The income of a fund of \$4,000. Founded in 1913 in memory of Mary Barstow Pope, sometime teacher in Miss Chapin's School, by her friends, her fellow-teachers, and her pupils. It is open to any undergraduate of Barnard College for the whole or any part of her course, and is awarded on the nomination of a self-perpetuating committee representing the founders.

CHARLES E. BOGERT MEMORIAL SCHOLARSHIP, AND ANNA SHIPPEN YOUNG BOGERT MEMORIAL SCHOLARSHIP. The income of a fund of \$10,000. Founded in 1913 with a bequest from the late Annie P. Burgess. They are awarded to worthy and deserving students of good Christian character who are unable to pay their own expenses.

MARTHA ORNSTEIN BRENNER SCHOLARSHIP. The income of a fund of \$4,000. Founded in 1915 by her friends in memory of Martha Ornstein Brenner, 1899.

BARNARD SCHOOL ALUMNAE SCHOLARSHIP. The income of a fund of \$4,000. Founded in 1916 by the alumnae of the Barnard School for Girls. It may be awarded to a student in any class, preference being given to nominees of the school.

SCHOLARSHIP IN ENGLISH. The income of a fund of \$5,000. Founded in 1920 by an anonymous donor. It is awarded to a student of good standing who is specializing in English and is in need of help; with the proviso that, if in any year there is no student specializing in English who stands out as particularly deserving of aid, the scholarship may be used, at the discretion of the Faculty Committee on Scholarships, to assist a student majoring in some other subject.

ANNA M. SANDHAM SCHOLARSHIP. The income of a fund of \$10,000. Founded in 1922 with a bequest from the late Anna M. Sandham.

ELEANOR BUTLER SANDERS SCHOLARSHIP. The income of a fund of \$10,000. Founded in 1922 with a bequest from the late Henry M. Sanders.

LUCILLE PULITZER SUPPLEMENTARY SCHOLARSHIPS (\$50 EACH). Founded by the late Joseph Pulitzer in memory of his daughter, Lucille Pulitzer. They are awarded to worthy and needy students, and may be used to supplement larger

scholarships or themselves combined into scholarships of \$100 or more. The money is applicable to tuition fees, residence fees, or, in special cases, general outside expenses.

AUGUSTA LARNED SCHOLARSHIP. The income of a fund of \$10,000. Founded in 1924 with a bequest from the late Augusta Larned.

MARY E. LARKIN JOLINE SCHOLARSHIP. With an annual value of \$300. Founded in 1927 with a bequest from the late Mary E. Larkin Joline. It is awarded to a student who is specializing in music.

CHARLOTTE LOUISE JACKSON SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1928 with a bequest from the late Fannie A. Jackson. It is awarded to a graduate of a Yonkers high school selected by or under the direction of the Board of Education of Yonkers.

ALICE MARIE-LOUISE BRETT SCHOLARSHIP. The income of a fund of \$10,000. Founded in 1930 with a bequest from the late Philip E. Brett in memory of his daughter, Alice Marie-Louise Brett, of the Class of 1915. It is awarded during her senior year to an able and deserving student specializing in French.

SCHMITT-KANEFENT SCHOLARSHIP. The income of a fund of \$7,000. Founded in 1931 with a bequest from the late Catherine Schmitt.

HELEN ELIZABETH VOSBURGH SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1934 with a bequest from the late Katherine G. Lippke in memory of Helen Elizabeth Vosburgh of the Class of 1925. In awarding this scholarship, preference is given to a self-supporting student.

WILLINA BARRICK MEMORIAL SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1936 by the College Club of Jersey City as a memorial to Willina Barrick, 1900. It is awarded on the nomination of the Club to a graduate of a Jersey City secondary school entering Barnard College.

VIRGINIA GILDERSLEEVE INTERNATIONAL SCHOLARSHIP. The income of a fund of \$15,100. Founded in 1937 by Mr. Charles R. Crane. It is awarded annually to a foreign student coming to Barnard to study.

PETER C. RITCHIE, JR., SCHOLARSHIP. The income of a fund of \$4,400. Founded in 1937 with a bequest from the late Virginia J. Ritchie. It is awarded to a needy student.

HARKNESS SCHOLARSHIPS. Established in 1939 by a gift of \$100,000 from the late Edward S. Harkness. Awarded to able and needy students.

ALMA GLUCK ZIMBALIST SCHOLARSHIP. The income of a fund of \$10,000. Founded in 1940 with a bequest from the late Alma Gluck Zimbalist. It is awarded annually to a student who wishes to major in Political Economics.

HELEN JENKINS GEER SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1940 by Helen Hartley Geer, Class of 1940, in memory of her mother, Helen Jenkins Geer, Class of 1915. It is awarded annually, after conference with the donor.

SCHOLARSHIPS ESTABLISHED ON A
TEMPORARY BASIS

HOLLAND DAMES SCHOLARSHIP. Established by the Daughters of Holland Dames in honor of Fanny I. Helmuth. It is awarded in conference with a representative of the society to a student of Dutch descent who is in need of aid.

BARNARD COLLEGE CLUB SCHOLARSHIP. A residence scholarship, with stipend varying, established in 1936 by the Barnard College Club of New York.

WESTCHESTER SCHOLARSHIP. Established by the Barnard College Club of Westchester in 1937, in memory of Edna Chapin Close of the Class of 1902. Value \$400. Awarded to an entering freshman from Westchester County, for one year only.

NATIONAL SCHOLARSHIPS

The Seven College Conference, made up of Barnard, Bryn Mawr, Mount Holyoke, Radcliffe, Smith, Vassar and Wellesley, offers annually 21 National Scholarships for incoming Freshmen. Each college offers a scholarship in each of the three following districts: *Middle West*, Kansas, Missouri, Nebraska; *South*, Louisiana, New Mexico, Oklahoma, Texas; and *West*, California, Oregon, Washington.

A minimum award of \$100 will be given each successful candidate, regardless of need, with a maximum award on the basis of need to cover room, board and tuition.

Information and application blanks may be obtained from Mrs. F. Murray Forbes, Jr., Executive Secretary, Committee on National Scholarships for Women, 21 Beaver Place, Boston 8, Massachusetts.

SPECIAL FUNDS FOR THE AID OF NEEDY
AND DESERVING STUDENTS

ARTHUR BROOKS FUND. A fund of \$5,000, given in 1897 by Miss Olivia E. Phelps Stokes as a memorial to the Reverend Arthur Brooks, D.D., Rector of the Church of the Incarnation and Chairman of the Board of Trustees of Barnard College during the first six years of its existence.

FISKE SCHOLARSHIP FUND. A fund of \$5,000, given by the late Mrs. Martha T. Fiske-Collord, the income of which is placed at the disposal of the Dean of Barnard College.

GEORGE W. SMITH SCHOLARSHIP FUND. A fund of \$5,000, given in 1906 by the late Mrs. Martha T. Fiske-Collord as a memorial to Mr. George W. Smith, who was a Trustee of Barnard College. The income of the fund is placed at the disposal of the Dean of the College.

MARY GERTRUDE EDSON ALDRICH SCHOLARSHIP FUND. A fund of \$1,000, given by Mrs. James Herman Aldrich. The income is used to assist in her senior year a student who has shown in her college life the moral qualities which go to the making of fine womanhood.

ALUMNAE SCHOLARSHIP FUND. A fund of approximately \$8,300. Established by the Class of 1912 at its tenth reunion, it was subsequently increased by a legacy from the estate of Julia Ludlow Young and by gifts of other alumnae. The income is to be used to help needy and deserving students.

CAROLINE CHURCH MURRAY FUND. A fund of \$5,000, established in 1918 by Mr. George Welwood Murray in memory of Caroline Church Murray. The income is placed at the disposal of the Dean to be used in aid of needy and deserving students.

IRMA ALEXANDER GOLDFRANK FUND. A fund of \$2,105, established in 1919 by the friends of the late Irma Alexander Goldfrank, 1908. The income is placed at the disposal of the Dean to be used in aid of needy and deserving students.

CARPENTIER SCHOLARSHIP FUND. A fund of \$200,000, the bequest of the late Horace W. Carpentier. The income remaining after the payment of the Carpentier Residence Scholarships described on page 139 is placed at the disposal of the Dean for distribution in scholarships of varying amounts, according to the needs of deserving students.

SCHOLARSHIP FUND. A fund of approximately \$12,000, established by general subscription through the Scholarship Committee of the Board of Trustees.

THOMAS F. CLARK STUDENTS' LOAN FUND. A fund of \$100,000, the bequest of the late Mrs. Fanny Foster Clark. The income is to be used to aid needy and deserving students.

EDNA HENRY BENNETT MEMORIAL SCHOLARSHIP FUND. A fund of \$1,640, established in 1927 by friends of the late Edna Henry Bennett, 1915, Lecturer in Zoölogy. The income is to be awarded by the Department of Zoölogy to Barnard students for work at a biological laboratory offering summer courses.

CLASS OF 1919 DECENNIAL FUND. A fund of \$5,000, established in 1929 as a tenth reunion gift by the Class of 1919, to endow a room in Hewitt Hall for the use of a deserving and needy student.

CLASS OF 1921 SCHOLARSHIP FUND. A fund of \$2,500, established in 1931 as a tenth reunion gift by the Class of 1921. The income is to be used to help needy and deserving students.

EVA-LENA MILLER BOOTH SCHOLARSHIP FUND. A fund of \$1,000, given in 1932 by the New York City Chapter of the Daughters of the American Revolution as a memorial to the late Mrs. Eva-Lena Miller Booth. The income is to be used to help needy and deserving students.

ALPHA ZETA CLUB SCHOLARSHIP FUND. A fund of \$3,200, established in 1936 by the Alpha Zeta Club. The income is awarded to a member of the graduating class for graduate work or, at the discretion of the Dean, to an undergraduate for undergraduate work.

IDA BLAIR MEMORIAL FUND. A fund of \$700, established in 1937 by the Women's Democratic Union, in memory of Ida Blair. The income of the fund is to be used for the purchase, in each year, of books for such student in Barnard College (preferably one studying political science) as shall be designated as deserving by the Dean.

CLARA BUTTENWIESER UNGER MEMORIAL FUND. A fund of \$1,000, established in 1938 by the late Joseph L. Buttenwieser, in memory of his daughter, Clara Buttenwieser Unger, of the Class of 1913. The income of the fund is to be awarded annually to assist through her senior year a student whose subject of major interest is Government, and who shows promise of ability to contribute to the promotion and perpetuation of true democracy under our Constitution.

ANNE BROWN ENDOWMENT SCHOLARSHIP FUND. A fund of approximately \$24,000, given in 1939 by the Anne Brown Alumnae Association and dedicated to the late Anne Brown. The income is used for scholarships for young women of the City of New York who would otherwise be financially unable to attend Barnard.

FINE ARTS SCHOLARSHIP FUND. A fund of \$3,900, established in 1939. Either the principal or the income may be awarded to students for fine arts travel or study in this country or abroad.

LUCRETIA PERRY OSBORN SCHOLARSHIP FUND. A fund of approximately \$4,000, established in 1940 with gifts from friends, in memory of Lucretia Perry Osborn, a Trustee of Barnard College from 1893 to 1930. The income is to be used to aid one or more needy and deserving students.

MARION ALICE HOEY FUND. A fund of \$2,000 given in 1944 by Miss Nellie Poorman in memory of a graduate of Barnard College in the Class of 1914. The income is placed at the disposal of the Dean of the College to be used for the aid of needy and deserving students, preference being given to those studying Greek and Latin.

GRADUATE FELLOWSHIPS

GEORGE WELWOOD MURRAY GRADUATE FELLOWSHIP. The income of a fund of \$20,000. Established by Mr. George Welwood Murray in 1930. The holder is to pursue a year of graduate study at Columbia or any other university or college of approved standing. This fellowship is to be awarded each year as an academic honor to that member of the graduating class of Barnard College who, in the opinion of the Faculty, shows most promise of distinction in her chosen line of work in the field of the humanities and/or the social sciences. Should the recipient prove in no need of financial assistance, she may retain the title and honor but resign the income, which may then be used by the College for other fellowships or scholarships. This fellowship is not to be applied for but is to be awarded each year as soon as possible after the mid-year examinations. Students graduating in February are to be eligible, as well as those graduating in June.

GRACE POTTER RICE FELLOWSHIP. The income of a fund of \$24,000. Established in 1935 by Mr. Winthrop Merton Rice in memory of his wife, Grace Potter Rice, Instructor and Assistant Professor of Chemistry at Barnard from 1918 until 1934. The holder is to pursue a year of graduate study in natural sciences or mathematics at Columbia or any other university or college of approved standing. This fellowship is awarded each year as an academic

honor to that member of the graduating class of Barnard College who, in the opinion of the Faculty, shows most promise of distinction in her chosen line of work. Should the recipient prove in no need of financial assistance, she may retain the title and honor but resign the income, which will then be used for other fellowships or scholarships. This fellowship is not to be applied for, but is awarded each year as soon as possible after the mid-year examinations. Students who have graduated in February are eligible, as well as those who are to graduate in June.

PUBLIC SERVICE FELLOWSHIP. The income of a fund of \$30,000. Established in 1934 by the Women's Organization for National Prohibition Reform. The holder is to pursue a year of graduate study in one or more of the related fields of History, Economics, Government, and Social Science at any college or university of approved standing. This fellowship is awarded annually by the Faculty of Barnard College to a woman graduate of any approved college or university who has shown special ability in the field of political science and promise of future usefulness in the public service.

KIMBALL FELLOWSHIP. The income of a fund of \$32,800. Founded in 1938 with a bequest of the late Lillian Emma Kimball. This fellowship is to be awarded to a woman from Spain or one of the Spanish-American countries who shall pursue a year of graduate study at Columbia or elsewhere, under the direction of a special committee of women members of the Faculty.

THE HERBERT MAULE RICHARDS FUND. Established by the Barnard Botanical Club, former students, and friends, in memory of Professor Richards, an officer of the Department of Botany from 1896 to 1928, and Chairman from 1897 to 1928. The income from this fund will be granted from time to time to further botanical research, under the direction of an approved institution, to a student or an alumna of Barnard College.

WILLIAM MASON SCHOLARSHIP. The William Mason Scholarship in music is awarded periodically upon the recommendation of the Department of Music to a member of the graduating class of Barnard or Columbia College for graduate studies in music. The value of the scholarship may not exceed the income of the fund.

MARGARET MEYER GRADUATE SCHOLARSHIP

An annual graduate scholarship of a value of \$75, established by Mrs. Alfred Meyer in 1923 in memory of Margaret Meyer Cohen of the Class of 1915, awarded annually to a member of the graduating class to be used towards a course of training in secretarial work.

PRIZES

The following prizes are awarded annually, on the recommendation of the appropriate departments of the Faculty of Barnard College, in accordance with the special conditions named below. No prize will be awarded to any student who falls below grade of C in any course during the year in which she is a competitor.

HERRMAN BOTANICAL PRIZE. A prize consisting of the income of a fund of \$1,000, founded by the late Mrs. Esther Herrman, is awarded annually to the most proficient undergraduate student in botany.

KOHN MATHEMATICAL PRIZE. A prize consisting of the income of a fund of \$1,000, founded by Mrs. S. H. Kohn, is awarded annually to a senior for excellence in mathematics. Competitors for this prize must have pursued mathematics continuously during their college course.

THE JENNY A. GERARD MEDAL. The Jenny A. Gerard Gold Medal, given in 1908 by the Society of the Colonial Dames in America in memory of Mrs. James Gerard, late President of the Society, is awarded annually to the undergraduate student of American birth in Barnard College who is most proficient in American colonial history.

SPERANZA PRIZE IN ITALIAN. A prize consisting of the income of a fund of \$1,000, founded by a former student in memory of the late Carlo Leonardo Speranza, Instructor and Professor of Italian at Barnard from 1890 until 1911, is awarded annually to a student in Barnard College for excellence in Italian.

VON WAHL PRIZE. A prize consisting of the income of a fund of \$1,300, founded in 1915 in memory of Constance von Wahl, of the Class of 1912, President of the Undergraduate Association, is awarded annually to a student for excellence in zoölogy, on the understanding that it is to be used to advance her knowledge in that field. If in any year no student stands out as eminently deserving of the prize, it is not awarded.

CAROLINE GALLUP REED PRIZE. A prize consisting of the income of a fund of \$1,000, founded in 1916 by Mrs. William Barclay Parsons in memory of her mother, Mrs. Sylvanus Reed, for the recognition of special study in the subject of the origin of Christianity and early church history, is awarded annually to the student who shows the highest excellence in this field of work. The award is made partly on the basis of an examination and partly on the basis of an essay to be handed in by May 1. A syllabus of the period to be covered may be obtained from the Chaplain of the University.

JEAN WILLARD TATLOCK MEMORIAL PRIZE. A prize consisting of the income of a fund of \$1,250, founded in 1917 by her friends in memory of Jean Willard Tatlock, of the Class of 1895, is awarded annually to the undergraduate student most proficient in Latin.

THE HELEN PRINCE MEMORIAL PRIZE. A prize consisting of the income of \$1,200, founded in 1921 by Mr. Julius Prince in memory of his daughter, Helen C. Prince, of the Class of 1922, is awarded annually to an undergraduate student in Barnard College for excellence in dramatic composition.

DEAN PRIZE IN GERMAN. A prize consisting of the income of \$1,000, one-fifth of a fund of \$5,000 established in 1925 by Mr. Edward D. Adams for the promotion of the study of German language and literature in Barnard College, is awarded annually to that member of the senior class at graduation who has throughout her course done the best work in German language and literature.

FRANK GILBERT BRYSON MEMORIAL PRIZE. A prize consisting of the income of a fund of \$3,000, founded in 1931 with a bequest from the late Ella Fitzgerald Bryson, of the Class of 1894, in memory of Frank Gilbert Bryson, is awarded annually to a member of the graduating class who has given conspicuous evidence of unselfishness during her college course.

MARY E. ALLISON PRIZE. A prize consisting of the income of a fund of \$1,000, founded in 1937 with a bequest from the late Estelle M. Allison in memory of her mother, Mary E. Allison, is awarded annually to a student of general excellence in scholarship.

ESTELLE M. ALLISON PRIZE. A prize consisting of the income of a fund of \$1,000, founded in 1937 with a bequest from the late Estelle M. Allison, is awarded annually to a student for excellence in literature.

PRIZE ESSAY CONTEST IN COLONIAL HISTORY. The National Society of Colonial Dames in the State of New York sponsors an annual prize essay contest open to Sophomores, Juniors and Seniors of Barnard College. The first prize is \$50 and a gold medal; the second prize is a gold medal.

A topic will be selected from the field of American colonial history by the Barnard College History Department and submitted for approval to the Colonial Dames. This should be done by October of each year. Students will then write essays on the subject, which will be submitted to the History Department and judged for literary excellence and historical accuracy. The History Department, as shortly after March 1 as possible, will then submit the four or five best essays to the Colonial Dames for final judgment of the two prize-winners. The essays should be from 5,000 to 10,000 words in length. The awards will be announced by May 1.

The following prizes of Columbia University are by their terms open to students of Barnard College:

BENNETT PRIZE. A prize established through a gift of \$1,000 from James Gordon Bennett may be awarded by the Faculty of Political Science for the best essay upon some subject of contemporary interest in the domestic or foreign policy of the United States. The competition is open to students not holding a Baccalaureate degree who pursue satisfactory courses in Political Science. The subjects for the essay to be handed in May 1, 1948 are: "The Policy of the United States in Germany." "The Policy of the United States with Regard to the International Control of Atomic Energy." "Compulsory Arbitration of Industrial Disputes."

THE BUNNER MEDAL. The H. C. Bunner Gold Medal, established by the friends of the late Henry Cuyler Bunner, is awarded annually at Commencement to the candidate for a Columbia degree who shall present the best essay on an assigned subject in American literature. The award will be made by a committee to be appointed by the President. The subject for the essay to be handed in May 1, 1948, is: "American Critics of American Democracy."

EARLE PRIZE IN CLASSICS. A prize of \$50, established in memory of Mortimer Lamson Earle, Instructor in Greek in Barnard College from 1889 to 1895 and from 1898 to 1900, and Professor of Classical Philology from 1900 to 1905, is open for annual competition to all candidates for the degree of Bachelor of

Arts. It is awarded partly on the basis of a special examination, partly on the basis of consistently good work in the regular Greek and Latin courses. The special examination covers specified portions of Greek and Latin literature, sight reading in Greek and in Latin, and prose composition in Greek and in Latin. The special subjects for 1948 are: Demosthenes, *Olynthiac Orations* (edited by J. E. Sandys); Vergil, *Bucolics* (edited by T. E. Page).

For the award in 1948, the examination will be held in January. Students are urged to do much of their work for the examination during the preceding summer vacation.

THE CAROLINE PHELPS STOKES PRIZE. The Caroline Phelps Stokes Prize of \$40 is awarded annually at Commencement to that student who, having been regularly enrolled in Columbia College, or Barnard College, or Teachers College as a candidate for an academic degree, for not less than two sessions, winter or spring, shall be deemed to have written the best essay upon an assigned topic bearing upon the rights of man. The subjects for the essay to be handed in May 1, 1948, are: "The Development of Workers Education through Labor Unions." "Statutory Restraints Upon the Exercise of Political Rights by Public Employees."

Essays on topics other than those stated above will be accepted for competition, provided that they are relevant to the general topic of the rights of man.

GENERAL INFORMATION

ADVICE TO STUDENTS

The Dean is always glad to confer with a student regarding any matters that may be of interest to her. Individual instructors may also be consulted at any time by the student regarding her work in their classes.

Before planning her program for the coming year, every student should consult a member of the teaching staff, according to detailed regulations to be announced from time to time by the Committee on Instruction.

Not later than the spring session of her sophomore year, a student should consult the Occupation Bureau regarding opportunities in different occupations which may interest her and the prerequisite thereto.

ASSEMBLIES

University and College assemblies and other academic meetings at which attendance is required are held on Tuesday at 1:10 o'clock. Students must keep this hour free from other engagements.

HEALTH AND PHYSICAL EDUCATION

The University Medical Officer, Dr. William H. McCastline, the College Physician, Dr. Gulielma F. Alsop, and the Executive Officer of the Department of Physical Education, Professor Margaret Holland, by means of

lectures, health service and a broad program of activity adapted to the needs and conditions of the individual, endeavor to promote and develop both the health and recreational resources of the student. The sanitation of the college is under their supervision. These officers are assisted in the direction of this program by an assistant physician, two trained nurses and six members of the Department of Physical Education.

A complete physical and medical examination is required of each student upon entrance, at the end of the first year, and during the first term of the Senior year. A medical examination is required of each student at the beginning of both Sophomore and Junior years. The results of these examinations determine the type of physical activity the student should take. The program is planned also, to meet the problem of individual differences and interests. Emphasis is placed on the maintenance of good health through the acquisition of knowledge and attitudes relating to health and upon the teaching and learning of recreational and developmental skills which can be used after college. The schedule is planned and organized to permit participation in a program of activities out-of-doors in the fall and spring.

Barnard Hall is the laboratory for the Health and Physical Education program. In addition to the medical office and the offices of the Department of Physical Education, Barnard Hall contains the gymnasium, swimming pool, corrective rooms, rest rooms and a dance studio. Seven tennis courts, two golf cages, an archery range, deck tennis courts, both north and south lawns and the roof of Barnard Hall complete the facilities for an extensive program of activities.

Barnard College Camp, occupying a 20-acre plot of wooded land in Westchester County, near Ossining, N. Y., was a gift of the Alumnae Association to the college in October, 1933. The camp is organized and administered by a committee representing the Faculty, the Alumnae, the Athletic Association and the Department of Physical Education. It furnishes an ideal opportunity for recreation and activity in the open as well as for the practice and learning of camp crafts.

The program offers unlimited opportunity for the development and training of student leaders through service to the Athletic Association as committee chairmen, members of committees and members of the Executive Board of the Athletic Association.

OCCUPATION BUREAU

The Occupation Bureau registers alumnae and students in search of employment or professional advancement, and recommends them to employers who apply to the College. It supports by letters of recommendation applications which qualified candidates may make directly on their own initiative. In many cases, it can supply introductions to possible employers and suggest lines of approach.

In general, students are not advised to undertake employment during their first winter or spring session in college, since it is difficult for them to estimate at first the amount of time that can safely be spared from academic work. That is, the College prefers that they do not enter until they have funds available

for the first year's expenses. After the first session or first year an able student in good health, who does not have to commute, can usually arrange to spare three or four half-days a week, and can perhaps earn a part of her expenses in this way. Some summer work may also be obtained. Most unskilled student work, however, is paid at a low rate. No student who carries a full course can expect to earn all of her expenses, both tuition and living. Opportunities for part-time work calling for the number of hours that a student can spare are usually less than the number of students in search of them.

Both students and graduates making inquiry of the bureau are given as much information as possible about opportunities in different lines of work and the requirements therefor. For each student a personal record including scholastic achievement, extra-curricular interests, vocational interests and experiences, etc., is kept in this office, in order that the vocational information given may be as helpful as possible. A small library of vocational books, pamphlets, and bibliographies is in the bureau for the use of students, as well as files of civil service examination notices and regulations of state and city education departments. Considerable information in regard to occupational problems, opportunities, and requirements is accumulated through the survey of alumnae occupations and earnings made in connection with the *Alumnae Register* and through the informal individual reports of the many graduates who keep in personal touch with the bureau. The Vocational Advisory Committee of the Associate Alumnae coöperates with the bureau, particularly in planning vocational meetings; and members of the Faculty assist students with information in regard to particular occupations.

RESIDENCE HALLS

Brooks Hall and Hewitt Hall (see page 6), the residence halls for Barnard College students will open at 9 o'clock Friday, September 19, 1947, and will close at 12 noon Thursday, June 3, 1948. Applications for rooms are provided the candidates for admission who are accepted as resident students by the Committee on Admissions. Any student who is required by the college to return for an appointment or an examination September 15–September 18 inclusive should make arrangements directly with the Assistant to the Dean in charge of Residence Halls not later than September 10, 1947.

Full information in regard to the situation and cost of rooms and the advance deposit is published in a separate pamphlet, to be had on application to the Assistant to the Dean in charge of Residence Halls, Barnard College, New York 27, New York. All checks and money orders should be made payable to the order of Barnard College. For the residence hall fees see page 22.

The post-office address for resident students is Brooks Hall, 3001 Broadway, New York 27, New York.

All students not residing with their parents are required to live in Brooks Hall or Hewitt Hall unless they receive special permission to live with relatives. Applications for such permission, accompanied by letters of approval from parents or guardians, should be made before August 1 to the Assistant to the Dean in charge of Social Affairs. Reservations for rooms outside, made without permission, will not be approved.

The King's Crown Hotel, located at 420 West 116th Street, in close proximity to the University, is owned by the University. It provides accommodations at reasonable rates, available for relatives and guests of members of the University.

ST. PAUL'S CHAPEL

St. Paul's Chapel, situated on the University campus, is open for prayers and meditation daily. On Sundays there are Services of Holy Communion at 9 A.M. and 12:30 Noon, and at 11 A.M. there is Morning Prayer with sermon. The Chaplain of the University and leading preachers from various parts of the country are to be heard at this time. Each weekday (except Saturday) a short Service is held at noon, with an address by a distinguished speaker, or devoted solely to prayer and the ministry of music. The Chapel Choir of fifty student voices sings at these Services. Attendance is voluntary, and a plan of Chapel membership is available for those who wish to identify themselves more closely with the life and work of the Chapel.

The Chaplain of the University, the Rev. Stephen F. Bayne, Jr., holds office hours in the Little Parlor at Barnard, and is always glad to meet students in consultation. Beside the Chaplain and his assistants there are Counselors for Roman Catholic, Jewish and Protestant students, all of whom have offices in Earl Hall, where are centered other religious activities for both Barnard and Columbia students. There is also an adviser of religious organizations in Barnard College.

STUDENT ORGANIZATIONS

Every regular or unclassified student is a member of the Undergraduate Association, and as such is at liberty, on payment of the student fee, to take part in all general undergraduate and class functions, to make use of all privileges of the Athletic Association, and to receive the College paper and literary quarterly. Special students may become special and associate members of the Association, if they so desire.

The Undergraduate Association elects a Student Council and a Representative Assembly, which, subject to the approval of the Faculty, supervise the various student organizations at the College. On the Student Council is the chairman of the Honor Board which administers the Honor Code in accordance with which all students on entering Barnard College agree to maintain a high standard of honor in examinations and all phases of college life.

THE UNIVERSITY BOOKSTORE

The official University Bookstore is situated in the Journalism Building, with entrances at the southeast corner of 116th Street and Broadway, and from South Quadrangle between Furnald Hall and Journalism. Books and other supplies are sold at discounts from the usual prices. The store is open Monday through Friday from 8:30 A.M. to 8:00 P.M.; Saturday, 8:30 A.M. to 5 P.M.; during the first days of each session, until 10 P.M. The store maintains a soda fountain and tea room serving breakfast, lunch and supper, a typewriter

exchange, and other services with substantial savings to Columbia students. Students having deposit accounts with the University may also make withdrawals at the bookstore.

UNIVERSITY LIBRARIES

The Ella Weed Library of Barnard College comprises the Main Library in Barnard Hall and the department libraries of Botany, Chemistry, Geology, Physics, and Zoölogy located in Milbank. A total collection of over 65,000 volumes serves the general reading needs of Barnard students. Throughout the academic year the Main Library is open daily except Sundays and holidays from 8:45 a.m. to 9:55 p.m. Monday through Friday and 8:45 a.m. to 4:55 p.m. Saturday. The Library is open also on announced Sundays from 2:30 p.m. to 5:25 p.m.

The Libraries of the University contain more than 2,000,000 volumes, exclusive of unbound pamphlets. The main collection is housed in the Nicholas Murray Butler Library at 114th Street. All the libraries on the university campus, including that of Teachers College, are open to Barnard students. The Bursar's receipt serves as identification.

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[Donors who had given \$5,000 or more to Barnard College by the time of its Fiftieth Anniversary have been enrolled as Founders.]

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To Barnard College I give and bequeath the sum of \$.....for the uses and purposes of said Corporation.

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ACADEMIC CALENDAR

1947-1948

1947

- July 4 Friday. Independence Day. Holiday.
- July 7 Monday. Forty-eighth Summer Session of Columbia University begins.
- Aug. 1 Friday. Last day for filing applications for deficiency examinations, to be held in September.
The privilege of later application may be granted on payment of a fee of \$5.
- Aug. 15 Friday. Forty-eighth Summer Session ends.
- Aug. 27 Wednesday. Entrance tests of the College Entrance Examination Board.
- Sept. 10 Wednesday. Interviews and registration for freshmen begin.
- Sept. 15 Monday. Deficiency examinations begin.
- Sept. 17 Wednesday. Foreign language tests.
- Sept. 23 Tuesday. Registration ceases for new students.
The privilege of later registration may be granted on payment of a fee of \$15.
- Sept. 24 Wednesday. Winter Session, fifty-ninth year, begins.
- Sept. 25 Thursday. Classes begin.
- Oct. 21 Tuesday. Stated meeting of University Council.
- Nov. 4 Tuesday. Election Day. Holiday.
- Nov. 25 Tuesday. Annual Thanksgiving Service in St. Paul's Chapel.
- Nov. 27 Thursday. Thanksgiving Day. Holiday.
- Dec. 2 Tuesday. Student program meetings.
- Dec. 6 Saturday. Entrance tests of the College Entrance Examination Board.
- Dec. 16 Tuesday. Stated meeting of University Council.
- Dec. 22 Monday, to

1948

- Jan. 4 Sunday, inclusive. Christmas holidays.
- Jan. 18 Sunday. Annual Commemoration Service in St. Paul's Chapel.
- Jan. 19 Monday. Mid-year examinations begin.
- Feb. 2 Monday and
- Feb. 3 Tuesday. Registration for students matriculating for the first time.
The privilege of later registration may be granted on payment of a fee of \$15.
- Feb. 4 Wednesday. Classes begin.
- Feb. 12 Thursday. Alumnae Day. Not a University holiday.
- Feb. 17 Tuesday. Stated meeting of University Council.
- Feb. 22 Sunday. Washington's Birthday.
- Feb. 23 Monday. Holiday.

1948

- March 1 Monday. Last day for filing applications for non-competitive scholarships, grants-in-aid, and residence grants.
- March 21 Sunday to March 28, Sunday, inclusive. Easter holidays.
- April 3 Saturday. Admission and scholarship tests conducted by the College Entrance Examination Board.
- April 20 Tuesday. Student program meetings.
- May 17 Monday. Final examinations begin.
- May 30 Sunday. Baccalaureate Service.
- June 1 Tuesday. Conferring of degrees.
- June 5 Saturday. Entrance tests of the College Entrance Examination Board.
- June 9 Wednesday. Spring Session ends.
- July 4 Sunday. Independence Day.
- July 5 Monday. Holiday.
- July 6 Tuesday. Forty-ninth Summer Session of Columbia University begins.
- Aug. 2 Monday. Last day for filing applications for deficiency examinations.
The privilege of later application may be granted on payment of a fee of \$5.
- Aug. 13 Friday. Forty-ninth Summer Session ends.
- Aug. 25 Wednesday. Entrance tests of the College Entrance Examination Board.
- Sept. 8 Wednesday. Interviews and registration for freshmen begin.
- Sept. 13 Monday. Deficiency examinations begin.
- Sept. 22 Wednesday. Winter Session, sixtieth year, begins. Registration ceases for new students.
The privilege of later registration may be granted on payment of a fee of \$15.
- Sept. 23 Thursday. Classes begin.

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